CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
May 13	Seaside Park, N. J. Adv. May 4 and 11.	May 4
May 15	Euclid, O.	Apr. 20
May 15	New Britain, Conn.	May 4
May 15	Phillipsburg, Kan.	May 4
May 15	Bricelyn, Minn.	May 11
May 16	Galva, Ill.	Apr. 27
May 16	Oklahoma City, Okla.	May 4
May 16	Paris, Tex. Adv. May 4 and 11.	May 4
May 17	Culbertson, Neb.	May 4
May 17	Sayreville, N. J.	Apr. 20
May 17	Hammond, Ind.	Apr. 20
May 20	Norwich, Vt.	Apr. 27
May 23	Oklahoma City, Okla. Adv. May 11.	May 11
May 25	Henryetta, Okla. Adv. May 4 and 11.	May 4
May 25	Germantown, O. Adv. May 11.	May 11
May 26	Moore Haven, Fla.	May 11
May 27	Wellsville, O. Adv. May 11.	May 11
May 29	Monroe, Mich. Adv. May 11.	May 11
May 31	Thief River Falls, Minn.	May 11
June 1	Bay City, Mich. Adv. May 11.	May 11
June 6	Ely, Minn. Adv. May 11.	May 11
June 12	Sioux Falls, S. D. Adv. May 11.	May 11

SEWERS

May 15	Euclid, O.	Apr. 20
May 15	Albany, Ga.	May 4
May 15	Lebanon, Pa.	May 4
May 15	Elmira, N .Y.	May 11
May 16	Clifton, N. J.	May 11
May 16	Jacksonville, Fla.	May 4
May 16	Grand Island, Neb.	May 4
May 16	Canandaigua, N. Y. Adv. May 4 and 11.	May 4
May 16	New York, N. Y.	May 11
May 17	Sayreville, N. J.	Apr. 20
May 17	Chicago, Ill.	May 11
May 18	Cleveland, O.	May 11
May 18	Potomac, Va.	May 4
May 19	Butler, N. J.	May 4
May 19	Wash., D. C.	May 4
May 20	Doylestown, Pa. Adv. May 4 and 11.	May 4
May 22	Hamilton, Ont.	May 4
May 22	College View, Neb. Adv. May 11.	May 11
May 23	Louisville, Ky. Adv. May 11.	May 11
May 24	Pendelton, Ore.	May 11
May 31	Thief River Falls, Minn.	May 11
May 31	Paducah, Ky. Adv. May 11.	May 11
June 1	East Aurora, N. Y. Adv. May 11.	May 11
June 1	Lima, O.	Apr. 13
June 5	Hackensack, N. J. Adv. May 11.	May 11
June 6	Huntingburg, Ind. Adv. May 11.	May 11

WASTE DISPOSAL

May 15	Elmhurst, Ill.	May 4

BRIDGES

May 15	West Palm Beach, Fla.	May 4
May 15	Riverside, Cal.	May 4
May 16	Port Arthur, Tex.	Apr. 20
May 16	Toronto, Ont.	Apr. 27
May 17	Baltimore, Md.	Apr. 27
May 17	South Carolina	Apr. 13
May 17	Bristol, R. I. Adv. May 11.	May 11
May 17	Troy, N. C.	May 11
May 18	West Union, Ia.	May 11
May 19	New Jersey Adv. May 4 and 11.	May 4
May 20	Cheektowaga, (Forks, P. O.) N. Y.	May 11
May 20	Granite Falls, Minn.	May 11
May 22	Carroll, Ia.	May 11
May 25	North Carolina	May 4
May 25	North Carolina	May 11
May 26	Farrell, Pa.	May 11
May 29	Green Bay, Wis.	May 11
May 29	New Jersey Adv. May 11.	May 11
May 31	Phila., Pa. Adv. May 4 and 11.	May 4
June 1	Washington	May 4
June 3	Seattle, Wash. Adv. May 11.	May 11
June 3	Moraine (Dayton P. O.), O.	May 11
Oct. 31	Sydney, Australia	Jan. 12

DAMS

May 20	Southington, Conn.	May 4
May 23	Stamford, Conn. Adv. May 4 and 11.	May 4
May 25	Columbus, O.	May 11

EXCAVATION AND DREDGING

May 15	Clarion, Ia.	May 11
May 17	Crookston, Minn.	May 4
May 22	Greenville, Miss.	Apr. 20
May 29	Fayette, Ala.	Apr. 27

STREETS AND ROADS

May 15	Charlottesville, Va.	May 4
May 15	Ebensburg, Pa.	May 4
May 15	St. Petersburg, Fla.	Apr. 27
May 15	Euclid, O.	Apr. 20
May 15	St. Paul, Minn.	Apr. 20
May 15	Troy, N. C.	May 4
May 15	Glen Cove Springs, Fla.	May 4
May 15	California	May 4
May 15	Merced, Cal.	May 4
May 15	Watertown, Wis.	May 4
May 15	Patton, Pa.	May 4
May 15	Terre Haute, Ind.	May 4
May 15	Hampton, Ia.	May 11
May 15	Marengo, Ill.	May 11
May 15	Rochester, N. Y.	May 11
May 15	St. Petersburg, Fla.	May 11
May 15	Newport Beach, Cal.	May 11
May 15	Clevleand Heights (Warrensville P. O.), O.	May 11
May 15	Chatham, Ont.	May 11
May 16	Missouri	May 11
May 16	Chicago, Ill.	May 11
May 16	Devils Lake, N. D.	May 11
May 16	Torrance, Cal.	May 11
May 16	Washington	May 11
May 16	Denver, Col.	May 11
May 16	Fredericton, N. B.	May 11
May 16	New York, N. Y.	May 11
May 16	Lakewood, N. J. Adv. Apr. 27 to May 11.	Apr. 27
May 16	Alabama	Apr. 27
May 16	South Carolina	Apr. 13
May 16	Lakewood, N. J.	Apr. 20
May 16	Washington	Apr. 20
May 16	Pawling, N. Y.	May 4
May 16	South Nyack, N. Y. Adv. Apr. 27 to May 11.	May 4
May 16	Michigan	May 4
May 16	Maryland Adv. May 4 and 11.	May 4
May 16	Ft. Wayne, Ind.	May 4
May 16	Crookston, Minn.	May 4
May 16	Minneapolis, Minn.	May 4
May 16	Yakima, Wash.	May 4
May 16	Washington, Pa.	May 11
May 17	Michigan	May 4
May 17	Columbus, O.	May 4
May 17	Hope, Ark.	May 4
May 17	Ebensburg, Pa.	May 11
May 17	Michigan	May 11
May 17	Guthrie Center, Ia.	May 11
May 17	Moorhead, Minn.	May 11
May 17	Colorado	May 11
May 17	Chicago, Ill.	May 11
May 17	Harrisburg, Pa.	May 11
May 17	Missouri	May 11
May 18	Michigan	May 11
May 18	West Union, Ia.	May 11
May 18	Wisconsin Rapids, Wis.	May 11
May 18	New York, N. Y.	May 11
May 18	Orlando, Fla.	May 11
May 18	South Carolina	Apr. 20
May 18	Ocala, Fla.	Apr. 27
May 18	Towson, Md.	May 4
May 18	Michigan	May 4
May 18	Ocala, Fla.	May 11
May 19	Middletown, N. Y. Adv. May 4 and 11.	May 4
May 19	Michigan	May 11
May 19	Ohio	May 11
May 19	Minot, N. D.	May 11
May 20	Lewiston, Idaho	May 11
May 20	Allison, Ia.	May 11
May 22	Trinidad, Col.	Apr. 20
May 22	Kingsley, Ia.	May 11
May 22	Aberdeen, S. D.	May 11
May 22	Ebensburg, Pa.	May 11
May 22	Oil City, Pa.	May 4
May 22	California	May 4
May 23	Omaha, Neb.	May 4
May 23	Bushnell, Fla.	May 11
May 23	Newton, N. J. Adv. May 11.	May 11
May 23	Maryland Adv. May 11.	May 11
May 23	Michigan	May 11
May 23	Viroqua, Wis.	May 11
May 23	Walla Walla, Wash.	May 11
May 25	St. Augustine, Fla.	Apr. 20
May 26	Columbus, O.	May 4
May 26	Toms River, N. J. Adv. May 11.	May 11
May 26	Somerville, N. J. Adv. May 11.	May 11
May 26	Emporia, Kan. Adv. May 11.	May 11
May 27	Dayton, O.	May 11
May 27	Sullivan, Ind.	May 11
May 29	Plainfield, N. J. Adv. May 11.	May 11
May 29	Ebensburg, Pa.	May 11
May 31	Manchula, Fla.	Apr. 13
May 31	Ridgefield Park, N. J. Adv. May 11.	May 11
May 31	Albuquerque, N. M. Adv. May 11.	May 11
May 31	South Carolina	May 11
June 1	Charleston, S. C. Adv. May 11.	May 11
June 2	Berkeley Springs, W. Va. Adv. May 11.	May 11
June 2	Belvidere, N. J. Adv. May 11.	May 11
June 6	Rochester, N. Y. Adv. May 11.	May 11
June 7	Ft. Myers, Fla.	Apr. 27

INDUSTRIAL WORK

May 15	San Leandro, Cal.	May 4
May 15	Youngstown, O.	May 11
May 15	Cloquet, Minn.	May 11
May 15	Phila., Pa.	May 11
May 18	Morgantown, N. C.	May 4
May 23	New York, N. Y. Adv. Apr. 27 to May 11.	Apr. 27

BUILDINGS

May 15	Grand Rapids, Mich.	May 4
May 15	Virginia, Minn.	Apr. 20
May 15	Harrisburg, Pa.	Apr. 27
May 15	Cleveland, O.	May 4
May 15	New Haven, Mich.	May 4
May 15	Milwaukee, Wis.	May 4
May 15	Fulton, N. Y.	May 11
May 15	Brooklyn, N. Y.	May 11
May 15	East Cleveland (Cleveland P. O.), O.	May 11
May 15	Montreal, Que.	May 11
May 15	Phila., Pa.	May 11
May 16	Glenolden, Pa.	Apr. 27
May 16	Steamboat Springs, Col.	May 4
May 16	Glen Nor (Norwood Station P. O.), Pa.	May 11
May 17	Cincinnati, O.	May 4
May 17	Portland, Me.	May 4
May 17	San Francisco, Cal.	May 11
May 17	Springwells, Mich.	May 11
May 17	Bridgeport, Conn.	May 11
May 18	Jamaica, N. Y.	May 11
May 18	Dayton, O.	Apr. 27
May 18	Hackensack, N. J. Adv. May 4 and 11.	May 4
May 18	Mamaroneck, N. Y. Adv. May 11.	May 11
May 20	Durham, N. C.	Apr. 13
May 20	Batavia, N. Y.	Apr. 20
May 20	Minneapolis, Minn.	May 11
May 22	Erie, Pa.	May 4
May 22	Holland, Mich.	May 4
May 22	Newington, Conn.	May 11
May 22	Imlay City, Mich.	May 11
May 23	Grand Forks, N. D.	May 11
May 23	Clyde, O.	May 4
May 25	Columbus, O.	May 4
May 25	Elizabeth City, N. C.	May 11
May 25	Cortland, N. Y.	May 11
May 25	Ithaca, N. Y. Adv. May 11.	May 11
May 25	Mazomanie, Wis.	May 11
May 25	Cleveland, O.	May 11
May 29	Columbus, O.	May 11
June 1	Memphis, Tenn.	May 11
June 1	Jonesboro, Ark.	May 4
June 1	Scottsbluff, Neb.	May 4
June 2	New York, N. Y.	May 4

Bids Close			See Eng. News-Record
June	3	Trotwood, O.	May 11
June	3	Mason City, Ia.	May 11
June	5	Clayton, O.	May 11
June	8	Winchester, Va.	May 4
June	8	Minneapolis, Minn.	May 11
June	8	Lincoln, Neb. Adv. May 11.	May 11
July	1	Perry, N. Y.	May 4

FEDERAL GOVERNMENT WORK

May	15	Dredging—Phila., Pa.	Apr. 13
May	15	Removal of Wreck, Buffalo, N. Y. Adv. May 4 and 11.	May 4
May	16	Intake Pipe—Ft. H. G. Wright, N. Y.	May 4
May	16	Basement Passage — Wash., D. C.	May 4
May	16	Extension to Workroom — Wash., D. C.	May 4
May	16	Dredging—Chicago, Ill. Adv. Apr. 20 to May 11.	Apr. 20
May	16	Removal of Wreck—Norfolk, Va. Adv. May 4 and 11.	May 4
May	17	Boiler House, etc.—Rantoul, Ill.	Apr. 20
May	17	Partitions, etc. — Billings, Mont.	Apr. 27
May	18	Dredging—Phila., Pa.	Apr. 27
May	18	Mechanical Equipment—Gulfport, Miss.	May 4
May	18	Hospital—Gulfport, Miss.	May 11
May	22	Extension to Workroom, etc. —Jamestown, N. Y.	May 4
May	25	Quarters—Ft. Bliss, Tex. Adv. May 4 and 11.	May 4
May	25	Removal of Wreck—Montgomery, Ala. Adv. Apr. 27 to May 11.	May 4
May	29	Remodeling, etc.—Buffalo, N. Y.	May 4
May	31	Dwelling, etc.—Point Isabel, Tex.	May 4
May	31	Post Office—Dawson, Ga. Adv. May 11.	May 11
June	6	Canals, etc.—Great Falls, Mont.	Apr. 27
June	7	Machine Shop—Pearl Harbor, H. T.	Apr. 13

MISCELLANEOUS

May	15	Oil Engines, etc.—Elmhurst, Ill.	May 4
May	15	Track Materials, etc. — New York, N. Y.	May 4
May	16	Dike — Saulte Ste Marie, Mich.	Apr. 13
May	16	Cement—Turlock, Cal.	May 4
May	16	Transmission Line—St. John, N. B.	May 11
May	16	Dump Wagon, etc., South Milwaukee, Wis.	May 11
May	18	Asphalt Wearing Surface Sand —New York, N. Y.	May 11
May	18	Stadium—Detroit, Mich.	May 11
May	19	Ornamental Standards, etc. —Cleveland, O.	May 11
May	19	Grain Handling System — Portland, Me.	May 4
May	22	Stones—Yonkers, N. Y. Adv. May 11.	May 11
May	22	Power Plant Equipment — Ames, Ia. Adv. May 11.	May 11
May	22	Repairing Dike, etc.—Revere, Mass. Adv. May 11.	May 11
May	22	Engine and Pump—Dickinson, N. D.	May 11
May	26	Bituminous Concrete, etc. — Trenton, N. J. Adv. May 11.	May 11
May	27	Race Track, etc.—Sedalia, Mo.	Apr. 13
May	31	Stadium—Chicago, Ill. Adv. May 11.	May 11
May	31	Bulkhead—Chicago, Ill. Adv. May 11.	May 11
June	6	Tainter Gate, etc.—Baldwinsville, N. Y. Adv. May 11.	May 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Waterbury—Plans water main extensions in various streets. $60,000.

N. Y., Batavia—Plans extending water supply system. $40,000-$45,000. I. J. Carmichael, clk.

N. Y., Elmira—City Council and Water Bd. having investigations made for new and increased capacity water supply system. To exceed $15,000. G. J. Jarchow, clk.

N. Y., Syracuse—Water Dept. had plans prepared extending water supply through Avery Ave. in Burnet Park Sect. $75,000-$80,000. P. F. Durkin, supt.

La., Lafayette—J. C. Barry, W. A. Montgomery, P. Krauss, C. D. Caffery, W. D. Huff, M. E. Saucier and J. P. Colomb, formed local syndicate and offered to lease the water, light, sewerage and drainage plant of municipality for period of 22 years, at annual rental of $5,000, conditioned on immediate installation of new machinery, costing $75,000. Proposition will be submitted to voters for approval.

La., Plaquemine—Swanson-McGraw Inc., engrs., 705 United Fruit Bldg., New Orleans, making survey of waterworks system and electric light system with view of remodeling plant. $150,000.

La., Pontchatoula—Swanson-McGraw Inc., engrs., 705 United Fruit Bldg., New Orleans, completed survey for waterworks and sewerage systems. $110,000. Noted March 30.

N. C., Greensboro—City soon takes bids erecting 6 filtering units, 1,000,000 gal. capacity each, $90,000; installing certain hydro-electric equipment, $20,000; constructing Reedy Fork Dam, earth and masonry, 16,000 ft. long, with concrete spillway, will form 1,000,000,000 gal. reservoir, $80,000. J. L. Ludlow, Winston-Salem, engr. Noted April 6.

O., Dayton—Montgomery Co. plans pumping station to supply water to Fairview and Mt. Auburn Water Dists. $50,000. K. B. Allen, U. B. Bldg., engr.

O., Orient—See "Sewers."

Ind., South Bend—Bd. Pub. Wks. plans 2 story concrete pumping station, 30,000,000 gal. daily capacity, Oliver St. $50,000. J. W. Troyne, supt. waterworks. Engineer not selected.

Wis., Eagle River—Having surveys made for new source of water supply. $30,000. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Wis., Stevens Point—Making plans for additional pumping equipment and machinery for water supply. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Ia., Dubuque—Making plans air lift system of pumping water from present artesian wells, and drilling 2 additional wells. $100,000. Mead & Seastone, State Journal Blk., Madison, Wis., engrs. Noted Dec. 8.

Minn., Brainerd—Plans waterworks extensions and other improvements. $50,000. R. Campbell, city engr.

Kan., Utica—Making plans pumping plant, testing wells, 1 story, 20 x 40 ft. pump house, 50,000 gal. steel tank on 80 ft. tower, 11,400 ft. 4-6 in. pipe, etc. $15,000. Ruckel Eng. Co., Interurban Bldg., Hutchinson, engrs.

Mo., Versailles—Sold $60,000 bonds for deep wells, tower tank, pumps, 40,000 lin.ft. 4-8 in. mains, etc. Engineer not selected.

Tex., Rogers—Attorney Generals Dept., Austin, approved $40,000 bond issue voted for waterworks improvements. Address Mayor.

Cal., Antioch—Voted $96,000 bonds constructing reservoir, 160,000,000 gal. capacity, and 15,000 ft. 10 or 12 in., etc., steel, wood stave and rein.-con. pipe. E. P. Easley, city engr. Noted April 6.

BIDS DESIRED

N. C., Mt. Airy—See "Contracts Awarded."

Fla., Moore Haven—May 26, by Bond Trustees, constructing 250,000 gal. wood or concrete filter unit with 50,000 gal. elevated tank and 5,000 lin.ft. 6 in. c.i. mains. C. E. Frederick, Moore Haven, engr.

O., Germantown—May 25, for 8 mi. 6-10 in. Class B pipe lines incl. valves and hydrants, Contr. 1, one 200,000 gal. steel tank on 80 ft. tower, Contr. 2, foundation for tank tower, Contr. 3. Jennings-Lawrence Co., 511-512 Hartman Bldg., Columbus, civil and municipal engrs.; adv. this issue.

O., Wellsville—May 27, by T. R. Snowden, dir. Pub. Serv., constructing filtration plant, storage reservoir and pipe line. Morris-Knowles, Inc., Hanna Bldg., Cleveland and Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. this issue. Noted March 2.

Mich., Bay City—June 1, at office W. H. Reid, city mgr., pumping station and foundations, also one 12-ton 3 motor traveling crane. Frazier-Ellms-Sheal Co., Illuminating Bldg., Cleveland, O., engrs.; adv. this issue.

Mich., Monroe—May 29, by F. M. Kressbach, city clk., filtration plant and pumping station. Hoad, Decker & Drury, Ann Arbor, consult. engrs.; adv. this issue.

Minn., Bricelyn—May 15, waterworks improvements, incl. well, pumping equipment and pump house. J. G. Olson, clk. J. H. A. Brantz, 409 Metropolitan Opera House Bldg., St. Paul, engr.

Minn., Crosby—Receiving bids deep well pump, 500 gal. per minute, electric motor, 3 phase, 60 cycle, 220 volts. H. J. Pearl, village engr.

Minn., Ely—June 6 by A. O. Knutson, city clk., furnishing filtering apparatus; adv. this issue.

Minn., Thief River Falls—May 31, extending waterworks system, 2 mi. mains with hydrants, c.i. specials, etc. $18,000. A. H. Akre, clk.

S. D., Sioux Falls—June 12, by Bd. Cy. Comrs., iron removal plant, filter building, filters, sedimentation basin, aerator, aerator house and appurtenances, also well and wellhouse. D. H. Maury, 1445 Monadnock Blk., Chicago, consult. engr.; adv. this issue.

Okla., Oklahoma City—May 23, by C. F. Semmelbeck, city clk., placing gunite protection on banks of reservoir; adv. this issue.

BIDS RECEIVED

Wis., Milwaukee—Opened bids May 4, excavation and foundation for Riverside Pumping Station, incl. 30,000 cu.yd. excav. and 8,000 cu.yd. rein.-con. work, from Schoonmaker Constr. Co., 373 Bway., $161,300; S. M. Siesel, 105 Wells St., $164,000; W. H. Gillen, 902 Summit Ave., $164,000. Noted April 20.

CONTRACTS AWARDED

N. Y., Watertown—Northern New York Utilities Co., 58 Pub. Sq., concrete dam and penstock saddles at Browns Falls, to Amberson Constr. Co., New York; wooden penstock, to Wood Pipe Co., New York; installing water wheel, to Willman, Seaver & Morgan Co., Cleveland; electric generative and switchboard equipment, to Gen. Electric Co., River Rd., Schenectady. Total, $450,000. Noted April 13.

N. C., Mt. Airy—City will build 26 x 26 x 8 ft., rein.-con. coagulating basin, 250,000 gal. filter unit complete (filter shell now in place), 25,000 gal. steel or wood wash water tank on 30 ft. tower with 8 in. pipe riser, same to be frost proofed and 1 liquid chlorinating apparatus, by day labor. C. M. Whitlock, City Hall, engr. Prices wanted on material and equipment.

O., Elyria—For 60 x 137 ft. water basin, concrete, to Hunkin Conkey Constr. Co., Century Bldg., Cleveland, $50,000.

Wis., Genoa Junction—See "Sewers."

Wis., Milwaukee—For 6,900 ton. c.i. water pipe and 30,284 ton special castings for force main in Chambers and 29th Sts. (a) straight (b) lugged, (c) special castings, to U. S. C. I. Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, (a) $40.86 per ton, (b) $60.86, (c) $118; 54 in. main in Chambers St., to W. T. Werner, 675 Hi Mount Blvd., $76,235; 36 in. main in 29th St., to L. J. Stevenson, 1720 Cedar St., $17,080. Noted May 4.

Wis., Spring Green—Laying mains to C. H. Phillips, Waupaca; tank and tower to Pittsburg-Des Moines Bridge Co., 38 South Dearborn St., Chicago. Pump and compensator not let. Total cost $25,000.

Wis., Waupaca—Drilling deep rein.-con. open well, to Olson & Thompson, Clintonville, $11,000, (does not include equipment, etc.). Noted March 16.

S. D., Groton—For 11,000 lin.ft. mains and concrete reservoir 125,000 gal. capacity, to Woodrich Constr. Co., 837 Metropolitan Life Bldg., Minneapolis; steel tank and 110 ft. tower, 80,000 gal. capacity, to Pittsburgh-Des Moines Steel Co., Tuttle and 10th Sts., Des Moines, Ia. Total $26,000. Noted April 6.

N. D., Fargo—Extending mains in Northern Pacific Ave., Job 2201, incl. 1,900 lin.ft. 8 in. and 500 lin.ft. 6 in. c.i. pipe; in Front St., Job 2202, 1,400 lin.ft. 8 in. and 600 ft. 6 in. c.i. pipe, to Haggart Constr. Co., 60 Bway., $9,485 and $6,581 respectively.

Neb., Bethany—Furnishing and installing 150 gal. per min. deep well pump plunger, to Merkle Mchy. Co., Interstate Bldg., Kansas City, Mo., $2,025; 250 gal. per min. centrifugal pump, to Amer. Well Wks., Reliance Bldg., Kansas City, Mo., $709. Noted March 23.

Mont., Lewistown—For steel and concrete standpipe, 60 ft. high, 54 ft. diam., 1,000,000 gal. capacity, to Chicago Bridge & Iron Wks., 105th and Throop St., Chicago, $19,800.

Waterworks (Continued)

Cal., San Francisco—Furnishing and delivering four 20,000 kva. electric generators and accessory equipment for Moccasin Creek Power Plant Hetch Hetchy Project, Contr. 80, to General Electric Co., Rialto Bldg., $260,285; four 25,000 h.p. impulse water wheel units with individual oil pressur sets. Contr. 79 A, to Pelton Water Wheel Co., 19th and Harrison Sts., $248,800; eight 36 in. gate valves with hydraulic operating cylinders, Contr. 79 B, to Coffin Valve Co., Monadnock Bldg., $37,580. Noted March 9.

Ont., Petrolea—J. McHattie, secy. Water Comn., 750,000 imp. gal. concrete reservoir to A. Kilpatrick, Petrolea; steel tank to Horton Steel Co., Bridgeburg, $14,600. Noted April 20.

Sewers

PROPOSED WORK

N. Y., Brighton—Plans construction and extensions in Sewer Dist. 1. $90,000. Engineer not announced.

N. Y., Endicott—Had plans prepared extending sewerage system. $26,079. C. F. Hunt, city engr.

N. Y., Watertown—Defeated $45,000 bonds for new sewer in Arsenal St. Noted April 20.

Pa., Erie—Plans sanitary sewerage system in Mill Creek Valley, incl. 12, 18, 20 and 24 in. tile pipe. $40,000. F. G. Lynch, city engr.

Pa., Phila.—Takes bids in May for pumping station, pumps, etc.; 36 concrete and brick branch sewers, in various streets, $200,000; 6 ft. concrete sewer in Johnston St. from 7th to Marvine Sts., $150,000; test borings for sewers in various streets, $20,000; c.i. inlets, manholes, etc., $40,000. C. A. Vogelson, City Hall, engr.

Fla., Ft. Lauderdale—City voted $20,000 bonds (its share) laying vitr. or segmental block sanitary and storm sewers, etc., also constructing sea level canal, involving 3,000 cu.yd. rock and 27,000 cu.yd. earth excav. $30,000-$35,000. H. C. Davis, Ft. Lauderdale, engr.

Fla., Orlando—Having plans prepared sewage disposal system, Imhoff type, 7 tanks and necessary auxiliary equipment. $80,000. G. R. Ramsey, Orlando, engr.

Fla., Sanford—Plans election to vote on bonds for storm and sanitary sewerage system. Sanford Heights section, 4,505 ft. 15-24-in. vitr. pipe, 28,000 ft. 3-in. drainage tile, 1,700 ft. 30 and 36-in. concrete. F. T. Williams, Sanford, engr.

La., Lafayette—See "Waterworks."

O., Lakewood (Cleveland P. O.)—A. O. Guild, dir. of Finance will sell $250,000 bonds May 15, main sewer from Nicholson Ave. westward to Webb Rd. along line of proposed street designated Edgewater Dr. and through Webb Rd. to Clinton Blvd., etc.

O., Orient—State Institution Comn., Columbus, making plans sewerage and waterworks system, at Institution of Feeble Minded, here. $175,000. C. A. Harst, Ohio-Hartman Bldg., Columbus, archt.

Mich., Detroit—Had plans prepared 6,421 ft. Wyoming Ave. Sewer, Sects. 1 and 2, in Lynch Rd., Wyoming and Warren Aves., 11 ft. 6 in. diam; also 5,446 ft. Clark Ave. Sewer, Sect. 3, in Clark Ave., 14 ft. diam., both brick or monolithic concrete. J. W. Reid, city engr.

Minn., Eveleth—Having plans prepared septic tank. $100,000. H. P. Burgum, 2101 Newton Ave., Minneapolis, engr.

Tex., Lamesa—Voted $35,000 bonds for sewerage system. Address Mayor.

Cal., Arcata—Having plans prepared 1,500 lin.ft. 6 in. and 3,000 lin.ft. 24 in. sewers. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Cal., Lodi—Having plans prepared constructing sewage disposal plant. $75,000. C. F. Smith, 7 Nottingham St., Berkeley, engr.

Cal., San Mateo—Voted $25,000 bonds constructing main sewer in East San Mateo Dist. G. S. Whitehead, city engr.

BIDS DESIRED

N. Y., East Aurora—June 1, by Bd. Village Trustees at office of D. N. Rumsey, village clk., sewage disposal works and connecting sewers. W. McCulloh, Niagara Falls, consult. engr.; adv. this issue. Noted April 13.

N. Y., Elmira—May 15, by Bd. Pub. Wks., sanitary sewers in Lorenzo Pl., East Washington Ave., Welles, Reynolds, East Clinton and Race Sts. To exceed $25,000. G. W. Jarchow, city clk. Noted May 4.

N. Y., New York—May 16, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., sewers in Gerard Ave. between East 165th and East 167th Sts.; Morris Park Ave. between Mayflower and Hobart Aves. $30,000.

N. J., Clifton—May 16, main and lateral sewers with necessary appurtenances, connections and special structures. G. L. Watson, 150 Nassau St., New York, consult. engr.

N. J., Hackensack—June 5, by Hackensack Impvt. Comn., sewers, sewage disposal works, etc. L. Lozier, Bank Bldg., Main and Mercer Sts., engr.; adv. this issue.

Ky., Louisville—May 23, by Comrs. of Sewerage, constructing Speed Ave. sewer and drain, 44th St. and Parker Ave. sewers. J. B. F. Breed, ch. engr.; adv. this issue.

Ky., Paducah—May 31, by H. A. Pulliam, Comrs. Pub. Wks., constructing trunk line sewers and appurtenances; adv. this issue. Noted March 2.

O., Cleveland—May 18, sewers in Ansel Rd. N. E. from relief at Superior Ave., Benwood Ave., S. E. from East 123rd to East 131st Sts., Crowell Ave. S. E. from East 78th St. to point 340 ft. westerly, East 46th St. from Independence Rd. S. E. to point 250 ft. southerly, East 118th St. from Havel Ave. S. E. to Imperial Ave. S. E., East 142nd St. from Miles Ave. S. E. to Benwood Ave. S. E., East 142nd St. from Bartlett Ave S. E. to Glendale Ave. S. E., Gay Ave. S E. from East 116th to East 131st Sts., Methyl Ave. S. E. from East 116th St. to W. L. Crobaugh allotment, Signet Ave. S. E. from East 123rd to East 130th Sts. $100,000. R. Hoffman, City Hall, engr.

Ind., Huntingburg—June 6, by L. Wagner, mayor, sanitary sewerage system. F. L. Wilcox, Chemical Bldg., St. Louis, Mo., engr.; adv. this issue.

Ill., Chicago—May 17, by Bd. Local Impvts., 207 City Hall, sewers in various streets. $61,362. C. D. Hill, City Hall, engr.

Minn., Thief River Falls—May 31, 2 mi. sewers. $25,000. A. H. Akre, clk.

Neb., College View—May 22, by C. E. Barron, clk., constructng main sanitary sewers; adv. this issue.

Ore., Pendleton—May 24, at office of T. Fitz Gerald, city recdr., sewage disposal plant, 2,060 lin.ft. 27 in. vitr. tile or concrete outfall sewer, septic tank, 2,700 lin. ft. earth dike, filter bed with dosing tank, etc. Noted Nov. 17.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids May 3, storm and sanitary sewers in (1) Ave. S. sewer in (2) East 4th St., (3) East 28th St., sewer basins in (4) East 8th St., (5) northwest corner of Cortelyou Rd. and Ocean Ave., (6) northeast corner of Hegeman and Van Sinderen Aves., furnishing (7) manhole heads and covers for year ending Dec. 31, 1922, from Tomasetti & Co., Inc., 1133 60th St., (1) $60,019, (2) $2,760, (3) $2,448; P. J. Donlon Contg. Co., Snyder Ave. and East 56th St., (1) $66,353; J. J. Guinan Contg. Co., 2314 Gravesend Ave., (1) $66,353; F. Frey, 818 Ocean Parkway, (1) $66,695, (2) $2,764; R. Nazzaro, 1550 62nd St., (2) $2,544, (3) $2,479, (4) $630; Dady & Merrindino, 547 17th St., (3) $2,521, (4) $720, (5) $490, (6) $330; Manmill Constr. Co., 2035 Douglas St., (4) $576; Flockhardt Fdry. Co., (7) $2,952; Campbell Fdry. Co., (7) $3,232; Staten Island Shipbuilding Corp., 11 Bway., New York, (7) $3,284. Noted April 27.

CONTRACTS AWARDED

Mass., Adams—See "Streets and Roads."

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Norwood Pl. (166th St.), to H. J. Mullin Constr. Co., Inc., Jamaica Ave. and 144th St., Jamaica, Proposal B, $311,855. Noted April 20.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., sewer in White Plains Rd., etc., to J. L. Sigretto & Co., Woodhaven, $47,446; storm water drain in East 233rd St., etc., to Anita Constr. Co., 2975 Marion Ave., $98,892; rebuilding existing concrete culvert across and under Gun Hill Rd., etc., to C. W. McDonald, West 10th St., Brooklyn, $9,295. Noted May 4.

N. J., Jersey City—Passaic Valley Sewerage Comrs., 128 Market St., Newark, for continuation and completion of Sect. 2, outfall pressure tunnel, beneath portion of New York Bay and Jersey City, to Holbrook, Cabot & Rollins Corp., 52 Vanderbilt Ave., New York, $2,124,525. Noted April 27.

Fla., Orlando—City will lay 98,865 ft. 8 in., 16,150 ft. 10 in., 13,450 ft. 12 in. and 4,450 ft. 15 in. vitr. sewers, by day labor. Receiving bids for pipe. $269,000. G. R. Ramsey, Orlando, engr.

Wis., Genoa Junction—Laying sewers and water mains also constructing septic tank, to G. W. Mullholland, 2025 Oxford St., Rockford, Ill., $57,838; stand-pipe, to Pittsburgh-Des Moines Steel Co., 38 South Dearborn St., Chicago, $5,700.

Wis., Spooner—Sewerage system, incl. 25,243 lin.ft. 6-15 in. sewer pipe, 68 manholes, one combined manhole and flush tank, 6 stand flush tanks, one lamphole, one inspection pipe, sewage treatment plant, steeling tank, sludge bed and appurtenances, to Pastoret Constr. Co., 308 Sellwood Bldg., Duluth, Minn., $44,000. Noted April 27.

Mont., Glendive—For concrete trunk sewer, catchbasins, laterals, etc., to J. Kennedy, R 97 Bway., Fargo, N. D., $58,000.

Bridges

PROPOSED WORK

N. C., Kenansville—Duplin Co. plans 6 large wooden bridges over North East River. To exceed $25,000. H. I. Randolph, Warsaw, supt.

Fla., Ft. Lauderdale—Broward Co. having plans prepared 8,000 ft. trestle and fill over Hillsboro inlet, one 60 ft. bascule lift. $50,000. H. C. Davis, Ft. Lauderdale, engr.

Fla., Tampa—See "Streets and Roads."

Ky., Irvine—See "Streets and Roads."

Minn., Minneapolis—Having plans prepared 200 ft. concrete bridge 60 ft. wide, over Minnehaha Creek on Nicollet Ave. $65,000. Will probably be done by day labor. N. W. Elsberg, city engr.

Missouri—State Hy. Dept., Jefferson City, plans two 100 ft. steel truss and two 60 ft. pony truss spans, 18 ft. roadways, on Federal Aid Project 116, Sect. B, Grundy Co. A. Graham, state highway engr.

Wash., Ellenburg—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, had plans prepared 100 ft. span concrete and steel bridge over Wilson Creek, here. $45,000. M. F. Clements, c/o owner, engr. of bridges.

Cal., Eureka—Humboldt Co. takes bids about June 26, constructing 2 rein.-con. bridges over Van Dusen River. $90,000. J. B. Leonard, 57 Post St., San Francisco, engr.

Cal., Salinas—Monterey Co. having plans prepared 700 ft. steel bridge over Salinas River, near here. H. F. Cozzens, Salinas, engr.

Ont., Guelph—Wellington Co. having plans prepared and takes bids middle of May, concrete bridges, one 80 ft. span at Drayton, one 50 ft. span at Harriston, and others at Mount Forest and Pilkington. $40,000. Prices wanted on cement. A. W. Connor, 34 Victoria St., Toronto, engr.

Ont., Ottawa—See "Streets & Roads."

BIDS DESIRED

R. I., Bristol—May 17 at office Bd. Pub. Rds., Providence, State Bridge 153, here; adv. this issue.

N. Y., Checktowaga (Forks, P. O.)—May 20, by Town Bd., Town Hall, Bway and Union Rd., 3 rein.-con. highway bridges, on Union Rd. G. C. Dienl, Ellicott Sq. Bldg., Buffalo, engr.

N. Y., Devils Hole (Niagara Falls P. O.)—New York Central R.R., Grand Central Terminal, New York, taking bids 120 ft. concrete bridge, 25 ft., over tracks of above railroad, here. State and Niagara Co. (Niagara Falls) will appropriate toward cost. $38,000. Noted March 23.

New Jersey—May 29, by State Hy. Comn., Trenton, reinforcing Bridge M. P. 25.9, Woodbury Creek, on Route 6, in Municipalities of Woodbury, Deptford and West Deptford, Gloucester Co. C. A. Mead, 790 Broad St., Newark, bridge engr.; adv. this issue.

Pa., Farrell—May 26, by Comrs. Mercer Co., Bridge 2305, rein.-con. girder viaduct, 65 ft. spans, 24 ft. roadway, also 6 ft. culvert Amco segment block or rein.-con. block, on Fruit Ave. $25,000. F. Graham, Grove City, engr.

North Carolina—May 25, by State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on State Project 364 B, Onslow Co., 728 cu.yd. concrete, 72,500 lb. reinforcing and 74,450 lb. structural steel, 2,200 ft. untreated timber piles, etc.,

Bridges (Continued)

$26,000; State Project 502, Alamance Co., 1,397 cu.yd. concrete, 190,000 lb. structural and 138,200 lb. reinforcing steel, 2,400 ft. untreated timber piles, 426 sq.yd. asphaltic wearing surface, etc., $50,000. C. M. Upham, state highway engr.

N. C., Troy—May 17, by W. B. Hicks, chn. Montgomery Co. Hy. Comn., 3 span steel bridge on concrete piers and abutments over Little River, 280 ft. long, 16 ft. wide. L. V. Edwards, Winston-Salem, engr. Noted May 4.

Ohio—See "Streets and Roads."

O., Moraine (Dayton, P. O.)—June 3, by F. A. Kilmer, clk. Montgomery Co. (Dayton) for 2 concrete abutments and 1 pier for new bridge over Miami River, Miami Twp., known as Bridge 17. $45,000. P. S. Bookwalter, Dayton, surv. Noted March 30.

Wis., Green Bay—May 29, 820 ft. steel girder double leaf bascule type bridge on Main and Dousman Sts., incl. 189 ft. causeway on west end of bridge, 38 ft. roadway, two 8 ft. walks, 6 stationery steel girders. $300,000. A. E. Kringel, Green Bay, engr.

Ia., Carroll—May 22, by Auditor Carroll Co., 34 box culverts, 12 culvert extensions, one 3 span I beam and 1 pony truss. J. F. Maher, co. engr.

Ia., West Union—May 18, by Auditor Fayette Co., 50 box culverts and extensions, 2 slab bridges. A. D. Finch, co. engr.

Minn., Granite Falls—May 20 by G. H. Wilson, aud. Yellow Medicine Co., (a) seven steel I beam bridges, 32-34 ft. clear spans, Friendship Twp., (b) three pony truss bridges, 40 ft. spans, Hazel Run Twp., (c) two steel I beam bridges, 32-34 ft. spans, Friendship and Hazel Run Twps.; all on wood piling with creosoted plank and wood block floors. Alternate bids on steel I beam piling and fir floors. $26,000. G. P. Smith, 502 Central Bank Bldg., St. Paul, engr.

Wash., Seattle—June 3 by Bd. Pub. Wks., substructure of steel bascule bridge and two side spans over West Waterway, West Spokane St. C. B. Bagley, secy.; adv. this issue.

N. S., Sydney—Receiving bids and opens same about May 15, two rein.-con. bridges. $25,000. R. M. McKinnon, Sydney, engr.

BIDS RECEIVED

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges on State Project 990, Transylvania Co., from R. C. Stevens, Asheville, $41,786, Costello Bros. Constr. Co., Knoxville, Tenn., $43,215, A. W. McClay, 2400 Grove Ave., Richmond, Va., $44,850; State Projects 629 and 647, Catawba and Lincoln Counties, from R. M. Thurmond & Co., Lynchburg, Va., $41,524, Elliott Bldg. Co., Hickory, $41,585, A. L. Harris, Dillsboro, $43,844; State Project 326, Columbus Co., from J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., $93,966, Batson & Cook, West Point, Ga., $97,680, L. A. Chitwood, 1109 Price St., Columbia, S. C., $98,575. Noted April 13.

S. D., Sturgis—See "Streets and Roads."

Tex., Pecos—Reeves Co. opened bids April 26, bridges and culverts on 31.25 mi. State Highway 1, Road Dist. 2, from Womack Constr. Co., Sherman, $33,153; Acme Bridge Co., 1012 West 6th St., Austin, $33,637; Tibbetts Constr. Co., 2094 West 8th St., Ft. Worth, $36,837. Noted April 13.

CONTRACTS AWARDED

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on State Project 219, Duplin and Lenoir Counties, to Chitwood & Carpenter, Columbia, S. C., $64,479. Noted April 13.

Fla., Pensacola—Comrs. Escambia Co., 5 rein.-con. bridges to J. S. Holloway Constr. Co., Hattiesburg, Miss., $32,635; grading to C. H. Turner Constr. Co., Lobby Brent Bldg., $12,771. Noted March 23.

Indiana—State Hy. Dept., Indianapolis, Federal Aid Project 29, one steel truss bridge, Gibson-Knox Co., to Stein Constr. Co., 204 Grand Ave., Milwaukee, Wis., $238,767; Federal Aid Project 16, five rein.-con. girders, to D. Jenkins, 501 Gilbert Ave., Terre Haute, $12,972; Federal Aid Project 17, one rein.-con. arch, Porter Co., to Cleary & Hailey, Lyric Bldg., Cincinnati, O., $20,373; State Aid Project 2, one steel truss, Noble Co., to R. Spurgeon, Ligonier, $4,976 State Aid Project 5, two steel trusses, and rein.-con. box culvert, Knox Co., to Vincennes Bridge Co., Vincennes, $8,477; State Aid Project 6, one rein.-con. arch, Ripley Co., to P. S. Hauk, Waynetown, $3,441; State Aid Project 11, one steel truss, Grant Co., to Kepler & Pepler, Greentown, $9,486; State Aid Project 34, one rein.-con. arch, Dearborn Co., to E. Hine & Sons, Harrison, O., $6,417; State Aid Project 34, one rein.-con. arch, Franklin Co., State Aid Project 40, one rein.-con. slab, Switzerland Co. and State Aid Project 26, one rein.-con. slab, Jennings Co., to J. H. Thornburgh, Boonville, $7,861, $4,897 and $3,896 respectively; State Aid Project 40, one steel truss, Switzerland Co., to Kentucky Bridge Co., Louisville, Ky., $16,830. Noted March 23 and 30.

Minn., Olivia—See "Excavation and Dredging."

Wyoming—State Hy. Dept., Cheyenne, 416 ft. 5 span rein.-con. cantilever bridge with approaches, on Federal Aid Project 119, 1 mi. west of Douglas, Converse Co., to Levy Constr. Co., Symes Bldg., Denver, Col., $53,485. Noted April 20.

Tex., Bastrop—Bastrop Co., 0.35 mi. bridge over Colorado River on Highway 3-B, to have three 192 ft. steel spans, one 117 and 585 ft. concrete girders, etc., to Kansas City Bridge Co., 1012 Baltimore Ave., Kansas City, Mo., $142,811. Noted May 4.

Tex., Galveston—Galveston Co. 293 ft. rein.-con. trestle over Dickinson Bayou on State Highway 2, to have thirteen 20 ft. concrete deck girder spans, approaches, and 30 ft. center span, to Harris & Powell, Tyler, $26,202 incl. engineering and contingencies. Noted April 27.

Dams

PROPOSED WORK

N. C., Greensboro—See "Waterworks."

Utah, Panquitch—Panquitch Land & Irrigation Co., plan constructing 45 ft. dam, and reservoir, to store 6,000 acre ft., 125,000 cu.yd. earth excav. and 6,000 cu.yd. riprap. W. H. Tebbs, Panquitch, pres.

N. S., Windsor—See "Industrial Works."

BIDS DESIRED

O., Columbus—May 25, by W. H. Duffy, dir. Pub. Serv., O'Shaughnessy Dam, 1,400 ft. long, 70 ft. high, in Scioto River, incl. bridge, 15 mi. north of here. Former contract rescinded. Noted May 4.

Que., Waltham—F. Watt, secy. Pembroke Electric Light Co. Ltd., Pembroke, Ont., receiving bids and opens same June 1, concrete dam at High Falls, on Black River, near here. $60,000.

Railways

PROPOSED WORK

Quebec—Montreal Tramways Co., 78 Craig St. W., Montreal, plans 1,687 ft. double track in place of single one on Notre Dame St. from Fulford to Levis Sts. R. B. Graves, ch. engr.

CONTRACTS AWARDED

California—Bd. Pub. Wks., constructing Taraval St. extension of Municipal Ry. system, San Francisco, to Eaton & Smith, 407 11th St., San Francisco, $42,285. Noted April 27.

Excavation and Dredging

PROPOSED WORK

Fla., Tampa—Comrs. Hillsborough Co., did not open bids April 24, for 155,000 cu.yd. dredging for fill. Will readvertise later. A. Pimm, Tampa, engr. Noted April 6.

N. S., Windsor—See "Industrial Works."

BIDS DESIRED

Wis., Manitowoc—Taking bids dredging 90,000 cu.yd. in Manitowoc River. State price for quantities measured in scows. $28,000. F. Alter, City Hall, engr.

Ia., Clarion—May 15, by F. W. Walker, aud. Wright Co., constructing D. D. 196, Sect. 2, 61,000 lin.ft. 10-48 in. tile. $30,000. G. L. Mechen, Clarion, engr. Noted April 20.

BIDS RECEIVED

Wis., Milwaukee—See "Waterworks."

CONTRACTS AWARDED

La., New Orleans—L. Plauche, pres. Drainage Dist., for Bunches Bend D.D., East Carroll Parish, incl. 25,000 cu.yd. canal excav., 4.26 acres land to be drained, to McWilliams Dredging Co., Exch. Bldg., Memphis, Tenn. $90,000.

Ind., Noblesville—Hamilton Co., dredging Cicero Creek, 5,950 cu.yd. earth excav., to Nappanee Constr. Co., Nappanee, $58,726.

Wis., Madison—Dane Co. Drainage Assn. excavating and layng drain tile in Lower Badfish D. D., etc., to O. Danz, Mazomanie, $25,000.

Wis., Racine—Hood Creek D. D., c/o B. H. Evans, 1408 Park Ave., furnishing 76,532 ft. 8-24 in. tile, to Natl. Drain Tile Co., 120 Rose Dispensary Bldg., Terre Haute, Ind., $24,801; laying same, to E. Johnson, Callender, Ia., $19,519. Noted April 27.

Minn., Olivia—Renville Co., Ditch 12, 462,464 cu.yd. excav., 47 mi. 5-28 in. tile, 17 bridges: excav., to Jansen, Gallop & Russel, Olivia, $.1065 per cu.yd.; tile and haul to Natl. Sewer Pipe Co., Webster City, Ia., $73,330; tile labor and filling to Merrill & Madsen, Hutchinson, $39,880; bridges to E. C. Fritze, Olivia $417 each. Noted March 2.

Ore., Grants Pass—Grants Pass Irrigation Dist. for 4,557 ft., 22-34 in. creosoted fir stave pipe, to Continental Pipe Mfg. Co., 4519 14th St., Seattle, Wash., $10,396; 12 and 16 in. centrifugal pumps, to De-Laval Steam Turbine Co., North Clinton St., Trenton, N. J., $5,631. Noted Nov. 24 under "Waterworks."

Streets and Roads

PROPOSED WORK

Mass., Holyoke—Plans paving various streets. $200,000. T. J. McCarthy, city engr.

N. Y., Cohoes—Plans improving Ontario, High and Sandusky Sts., macadam or asphalt. To exceed $25,000. F. M. Tessier, city clk.

N. Y., Herkimer—Plans paving Lake St. $25,000. C. Stewart, village pres.

N. Y., Ilion—Bd. Trustees plans paving 2nd, South 3rd and South 4th Aves., James and Groves Sts. $25,000-$30,000. Address F. Bach, Ilion.

N. Y., Ridgeway—Plans constructing 4 mi. Ridgeway-Ostranders Corner Rd., concrete. To exceed $48,000.

N. Y., St. George—M. J. Cahill, pres. Richmond Boro, Boro Hall, rejected bids repaving roadway of Richmond Terrace from York Ave. to Sailors Snug Harbor; Bay St. from Thompson St. to Staten Island Rapid Transit R.R. crossing; and Richmond Terrace from Ferry St. to Treadwell Ave. Will readvertise. Noted April 20 and May 4.

N. Y., Watertown—Defeated $105,000 bonds paving Arsenal St. and other streets. Noted April 20.

N. J., Trenton—Mercer Co. plans paving 1 mi. River Rd. between city line to Yardley Bridge, concrete. $55,000. H. F. Harris, Court House, engr.

N. J., Woodbury—Gloucester Co. plans paving various roads, concrete. $1,301,400. W. Cattell, Woodbury, engr.

Pa., Erie—Plans paving Penna Ave., German, Plum, Raspberry and 24th Sts. $78,150. F. G. Lynch, city engr. Noted April 6.

Pa., Kittanning—Town and Armstrong Co. plan paving 4 mi. Kaylor Rd. from Allegheny River to Kaylor in Brady Bend Twp. $200,000.

Va., Princess Ann—Princess Ann Co. plans 6 mi. road from Cape Henry to Sea Pines (Virginia Beach), 18 ft., concrete, $100,000. J. T. Moreland, Virginia Beach, chn. road com. Engineer not selected.

Florida—State Hy. Dept., Tallahassee, plans repairing brick pavement and laying 3 ft. rock shoulders on 20 mi. road from St. Augustine to Flagler Co. line, St. Johns Co., $50,000, 10 mi. road from Bunnell to St. Johns Co. line, Flagler Co., $25,000; paving with vitr. brick, asphalt, concrete, bituminous concrete or bituminous macadam, 26 mi. road from Lake City to High Springs, Columbia Co., $300,000, 28 mi. State Rd. 1, through Suwannee Co., $360,000, 8.5 mi. Frostproof-Avon Park Rd., Highlands and Polk Counties, $12,500; paving with vitr. brick, concrete grouted, 2 mi. Kissimmee Melbourne Rd., Osceola Co., $40,000. W. F. Cocke, state highway engr.

Fla., Ft. Lauderdale—Voted $36,000 bonds (city's share) vitr. brick paving 3 mi. various streets, 4 mi. concrete curbing and guttering. Total cost $80,000. H. C. Davis, Ft. Lauderdale, engr.

Fla., Ft. Lauderdale—Broward Co. having plans prepared widening from 9-16 ft. and surfacing with asphalt on rock, 2 mi. road from here to Beach, $30,000; paving with macadam 5 mi. roads around Deerfield, $30,000, 5 mi. roads around Pompano, $30,000, 5 mi. roads around Dania, $35,000, 4 mi. roads around Hallandale, $25,000; laying 6 or 8 in. rock base and surfacing with asphalt 16 mi. road from Ft. Lauderdale Beach to Palm Beach Co. line, $200,000; rebuilding base and penetration surfacing 30 mi. Dixie Highway, $200,000. H. C. Davis, Ft. Lauderdale, engr.

Streets and Roads (Continued)

Fla., Quincy—Plans election to vote on $40,000 bonds paving various streets. Total $120,000. J. P. Smith, clk.

Fla., Sanford—Plans election to vote on $30,200 bonds paving, concrete curbing and guttering portions West 1st St.; $39,000 3rd St.; $25,600 5th, 4th and Commercial Sts.; $28,500 7th, 9th and 6th Sts.; $26,000 10th and 13th Sts.; $26,500 Myrtle St.; $54,000 Sanford Ave.; $27,000 Magnolia St.; $25,000 Laurel and Park Sts.; $51,300 Palmetto Sts.; $41,000 Elm Ave.; $29,600 2nd, Oak and Park Sts.; $33,000 French St.; $39,000 Mellonville, Cypress and Central Sts. Alternate proposal on various types of pavement. F. T. Williams, Sanford, engr.

Fla., Tampa—Comrs. Hillsborough Co., did not open bids April 24, for 160 mi. paving, seawall and concrete bridge over Hillsborough River. Will readvertise later. A. Pimm, Tampa, engr. Noted March 30.

Ala., Guntersville—Having plans prepared and receives bids about June 15, concrete paving 1¾ mi. Main St., et al. R. L. Totten, Jefferson Co. Bank Bldg., Birmingham, engr.

Ala., Haleyville—Voted $85,000 bonds and having preliminary survey made paving 2 mi. streets, probably concrete and asphaltic concrete on concrete. R. L. Totten, Brown-Marx Bldg., Birmingham, engr.

Ky., Irvine—Estill Co. plans to vote on $240,000 bonds constructing road and bridges.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened May 5, grading, bridging and paving 1.545 mi. Sect. "B" Dayton-Lakeview Rd., Clark Co., rein.-con., bituminous macadam, oil or tar; 1.65 mi. Sect. "L-1" Springfield-Washington C. H. Rd., Clark Co., bituminous macadam, oil or tar; 1.857 mi. Sect. "O" Springfield-Washington C. H. Rd., Clark Co., bituminous macadam, oil or tar, rein.-con. or bituminous concrete. Noted April 20.

Ohio—Dept. Highways and Pub. Wks., Columbus, received no bids opened May 5, grading, bridging and paving 3.987 mi. Sect. "B" Navarre-Berlin Rd., Holmes Co., plain concrete. Noted April 20.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids received April 24, grading, bridging and paving 2.278 mi. Sect. "A" Toledo-Elmore Rd., Sandusky Co.; 3.727 mi. Sect. "L" Marietta-Caldwell Rd., Washington Co. Noted May 4.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids opened May 1, grading, bridging and paving 1.744 mi. Sect. "F-1" Gallipolis-Ironton Rd., bituminous macadam, $44,785. Noted April 20.

Ind., Evansville—Plans paving and grading 1,071 ft. 4th Ave. from Indiana to Columbia Sts., 42,840 sq.yd. vitr. brick, asphalt or bituminous macadam on concrete. $28,000.

Ind., Indianapolis—Marion Co. plans paving 1.5 mi. John W. Carlisle Rd., vibrolithic concrete, 50 ft.; 8,118 ft. Hilgemeier Rd., 18 ft., 17,648 sq.yd. concrete on concrete, $52,944.

Ind., Indianapolis—Plans paving 1.6 mi. King Ave. from St. Clair St. to 16th St., 84,480 sq.yd. concrete or other suitable pavement on concrete, 337 lin.ft. curbing, $60,000; 4,880 ft. Fall Creek Blvd., 21,666 sq.yd. asphalt on concrete; 3,365 ft. Cornell Ave. from 10th St. to 19th St., 8,114 sq.yd. asphalt 361 lin.ft. stone curbing, 7,880 lin.ft. brick gutter, $33,000.

Ind., Jeffersonville—Clark Co. soon takes bids paving 1.38 mi. W. W. Smith Rd., 12,954 sq.yd. bituminous macadam on concrete. $42,000.

Ind., Sullivan—Sullivan Co. plans to grade and gravel surface 12,485 ft. William R. Dugger Rd., 16 ft. $25,000.

Michigan—State Hy. Dept., Lansing, soon opens bids grading and surfacing 7¼ mi. Assessment Dist. Rd. 23, Lenawee and Monroe Counties, waterbound macadam. L. H. Belknap, ch. engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 2.064 mi. Assessment Dist. Rd. 235, Saginaw Co., waterbound macadam or gravel top on macadam.

Ill., Kenilworth—Making plans paving Abington and Robsart St., 2,630 yd. concrete, 1,000 ft. sewers, 1,000 ft. mains, 4,000 ft. sidewalks, etc. Windes & Marsh, 598 Birch St., Winnetka, engrs.

Ill., Oak Park—Soon receives bids paving Humphrey Ave., also Mapleton Ave. from Berkshire to Greenfield Sts., asphaltic concrete, tile pipe sewers, brick manholes, and catch-basins, etc., alleys between Wesley and Clarence Aves. from Harrison to Lexington Aves., between Lombard and Taylor Aves. from Iowa to Augusta Aves., and between Elmwood and Ridgeland Aves. from Howard to Garfield Sts., portland cement and concrete. B. C. Branstadt, Oak Park, engr.

Ill., Sterling—Making plans 20,000 sq.yd. rein.-con. pavement. A. G. Hubbard, city engr.

Wis., Wausau—Making plans paving Clarke, West Washington, East and West Jackson Sts., 20,000 sq.yd. concrete, concrete curb and gutter. $26,000. B. C. Gowen, City Hall, engr.

Ia., Bedford—Taylor Co. soon receives bids grading and building culverts on 15.75 mi. Primary Rd. 3 from here east to County line. L. M. Martin, Atlantic, engr.

Ia., Cedar Rapids—Making plans and open bids about June 1, paving 20 blocks. $65,000. T. F. McCauley, city engr.

Ia., Charles City—Auditor Floyd Co. soon receives bids grading 6 mi. Primary Rd. 53, and 5 mi. Primary Rd. 19. G. H. Elliott, Charles City, engr.

Ia., Clarion—Wright Co. soon receives bids grading 10 mi. road from Woolstock to County line and various other roads; 9.5 mi. road from here to Hamilton Co. line, incl. bridge work. J. K. Hilton, Clarion, engr.

Ia., Cresco—Howard Co. takes bids about June 1, grading 12.5 mi. Primary Rd. Project 103. A. Zack, M. B. A. Bldg., Mason City, engr.

Ia., Northwood—Worth Co. takes bids about June 1, grading 16 mi. Primary Rd. Project 216, from here to Kensett, and east to Mitchell Co. line. A. Zack, M. B. A. Bldg., Mason City, engr.

Ia., Osage—Mitchell Co. takes bids latter part of month, grading 11 mi. Primary Rd. Projects 9 and 138. A. Zack, M. B. A. Bldg., Mason City, engr.

Ia., Waterloo—Auditor Blackhawk Co. soon receives bids concrete paving 17 mi. Grant Highway, 18 ft. $550,000. W. D. Johnson, Waterloo, engr.

Minn., Carlton—Carlton Co. rejected bids opened May 2, grading and gravel surfacing 6½ mi. Job 2201, State Rd. 2; 4 mi. Job 2202, State Rd. 7. $25,000. Noted April 20.

N. D., Minot—Plans 10,353 sq.yd. bitulithic pavement. $28,000. A. D. Hagenstein, clk.

Missouri—State Hy. Dept., Jefferson City, plans 5.879 mi. road from Trenton eastward, Federal Aid Project 116, Sect. B, Grundy Co., 39,679 cu.yd. earth excav., 37,646 cu.yd. borrow, 87.3 cu.yd. concrete masonry, etc.; 5.47 mi. road from Boonville eastward, Federal Aid Project 24, Cooper Co., 38,697 cu.yd. earth excav., 3,610 cu.yd. borrow, 36,200 sq.yd. bituminous macadam, 141.4 cu.yd. concrete masonry, etc. A. Graham, state highway engr.

Tex., Austin—Travis Co. having preliminary estimates made grading and gravel surfacing 5.6 mi. State Highway 3-A from Onion Creek to Bastrop Co. line, 1,300 cu.yd. structural excav., 900 cu.yd. concrete, 100,000 lb. reinforcing, 196,240 cu.yd. gravel. $67,000. O. Leonard, co. engr.

Tex., Ballinger—Voted $50,000 bonds for street paving and improvements. C. S. Guinn, mayor.

Tex., Beaumont—Jefferson Co. making plans grading and shell surfacing 13 mi. State Highway 40 from West Port Arthur to North Sabine. $127,661. A. C. Love, co. engr.

Tex., Belton—Bell Co. had estimates made grading, gravel surfacing and bridging 2 mi. State Highway 2-C, incl. 12,692 cu.yd. borrow and 13,994 cu.yd. roadway excav., 1,079.6 cu.yd. concrete, 130,702 lb. reinforcing, 2,000 cu.yd. gravel surfacing. $41,758. S. J. Treadway, Temple, co. engr.

Tex., Bonham—Fannin Co. making surveys grading, gravel surfacing and bituminous topping 12 mi. State Highway 38, 16 ft. $150,000. A. J. Goode, co. engr.

Tex., Canton—Van Zandt Co. had estimates made grading and gravel surfacing 23 mi. State Highway 15 from Wills Point to Smith Co. line, incl. 60,000 cu.yd. earth excav., 1,500 cu.yd. concrete, 45,000 cu.yd. gravel. $120,000. H. Deen, Canton, engr.

Tex., Cherokee—Rusk Co. making plans gravel surfacing 8 mi. State Highway 37, Jim Hogg Highway, 16 ft. $30,000. C. E. Cocke, co. engr.

Tex., Clarksville—Red River Co. had estimates made grading, surfacing and bridging 10 mi. State Highway 5 from Boure Co. line through Avery and Annona to intersection with Mill Creek Rd., incl. 40 acres clearing, 70,660 cu.yd. roadway excav., 15,664 cu.yd. sand clay and gravel. $77,762. P. Y. Creager, co. engr.

Tex., Richmond—Fort Bend Co. having plans prepared surfacing and topping 13.01 mi. State Highway 36 from Rosenberg to Austin Co. line, incl. 30,592 cu.yd. gravel, 4,303 cu.yd. crushed limestone, 103,277 gal. asphaltic oil. $145,000. A. P. Rollins, co. engr.

Wash., Seattle—Rejected bids opened April 21, paving Hudson St., et. al., 26,600 sq.yd. 6 in. concrete, 14,250 lin.ft. concrete curbing. $74,285. A. H. Dimock, city engr. Noted April 27.

Wash., Seattle—Soon receives bids paving Empire Way, et. al. $303,072. A. H. Dimock, city engr.

Cal., Grass Valley—Having plans prepared paving 3 mi. various streets. W. S. Farley, Monadnock Bldg., San Francisco, engr.

Cal., San Francisco—M. M. O'Shaughnessy, city engr., has completed preliminary report on cost of Rincon Hill regrade project and Bd. Pub. Wks. has requested supervisors to approve preliminary assessment report as submitted. Work involves 1,685,666 cu.yd. material, and is divided into three general items; excavations, streets, sidewalks, pavements and other street improvements, $1,846,236; damages to property, realty improvements, interruption of business, etc., $1,950,648; for incidentals, including cost of engineering work, collection of assessments, etc., $175,000.

Que., Montreal—Executive Com. soon takes bids resurfacing Sherbrooke St. from Guy to Champlain Sts. $175,000.

Que., Montreal—Plans widening 1,687 ft. Notre Dame St. between Fulford and Levis Sts., 30-50 ft. $350,000. E. Blanchard, rd. engr.

Que., Montreal—Plans paving 375 ft. Berri St. from Champ de Mais to Craig Sts., $15,270; 562 ft. Berri St. from Champ de Mais to Commissioners Sts., $40,807; 4,312 ft. St. Joseph Blvd. from Henri Julien to Papineau Aves. $158,993. J. E. Blanchard, rd. engr.

Que., Montreal—Plans 37,785 lin.ft. asphalt paving on Monk Blvd., Hadley, Jacques Hertel, St. Patrick, DeVilliers, DeBiencourt, Jolicoeur, Joques, Mazarin, Dubois, Eadie, Beaulieu, Hamilton, DeRazilly, Cabot, Archibald, Brock, Anger, York and Drake Sts.; 53,014 lin.ft. cement sidewalks on sections of Avenues A and B, St. Patrick, Hamilton, D'Aragon, Dumas, Orchard, Mazarin, Joques, Jarvin, Jacques Hertel, Jolicoeur, Bramby, DeRazilly, Monk, Beaulieu, De Nouville, De Biencourt, Hadley, Eadie, Rielle, DeMaricourt, Dubois, Springland, Woodland and Eva Sts. $1,500,000. S. Fortin, dir. pub. wks.

Ont., Chatham—Kent Co. having plans prepared and takes bids end of May, paving 12 mi. Thamesville, Dresden and Chatham Dover Highways, concrete. $350,000. W. G. McGeorge, Harrison Hall, engr.

Ont., Essex—Takes bids end of May, concrete pavements on Arthur and Cameron Aves. $35,000. Prices wanted on all materials. R. R. Brett, Essex, engr.

Ont., Ford—Takes bids end of May, bitulithic pavement on Ottawa St. $30,000. Prices wanted on materials. A. Patterson, City Hall, engr.

Ont., Listowel—Takes bids end of May, concrete pavements on Main, Bismark and Division Sts. $40,000. Prices wanted on materials. E. D. Bolton, Listowel, engr.

Ont., Mitchell—Preparing plans macadam paving Huron Rd., also laying crushed stone on Wellington, St. Andrews, St. Davids and Quebec Sts. $25,000. Prices wanted on all materials. J. Roger, Mitchell, engr.

Ont., Ottawa—Carleton Co. soon takes bids grading and resurfacing Richmond, Carp Village, Base Line and Cyrville Rds., also superstructures for Porteaus and North Gower Bridges. $25,000. T. H. Patterson, Court House, engr.

Ont., Ottawa—Soon takes bids 2,400 sq. yd. asphalt pavement on Armstrong St. from Parkdale to Holland Sts., 725 lin.ft. curbs, 700 lin.ft. gutter, $13,200; 1,500 sq. yd. asphalt on Armstrong St. from Garland to Bayview Sts., $7,700; 2,500 sq.yd. wood and stone block pavement, Rideau St. from Sussex to McKenzie Sts., $16,000; resurfacing with asphalt 7,000 sq.yd. Bank St. from Pretoria Ave. to Welton Crescent, latter project will be done by day labor. $15,000.

Streets and Roads (Continued)

Ont., Ottawa—Suburban Rd. Comn., 26 Wellington St., soon takes bids 3 mi. asphaltic concrete on Metcalfe Rd. from railway crossing at Billings Bridge south. $30,000. A. K. Hay, 26 Wellington St., engr.

Ont., Sandwich—Essex Co. having plans prepared and takes bids about end of May, 25 to 30 mi. new concrete roads. $500,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Tilbury—Takes bids about end of May concrete paving Young St. $38,000. Prices wanted on all materials. W. A. Hutton, Tilbury, engr.

BIDS DESIRED

N. Y., New York—May 16, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., repaving East 161st St. from Morris to Elton Aves., Rider Ave. from East 135th to East 144th Sts., both granite blocks; West 238th St. from Bway. to Bailey Ave., East 180th St. from Grand Blvd. and Concourse to Creston Ave., Cromwell Ave. from Jerome Ave. to Macombs Rd., all sheet asphalt; grading, setting curbs and laying sidewalks, etc., on DeKalb Ave. from Gun Hill Rd. to East 212th St.

N. Y., New York—May 18, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., curbing, laying sidewalks and paving, etc., roadway of Valentine Ave. from Burnside Ave. to Kingsbridge Rd. at 192nd St., asphalt blocks on concrete; curbing and repaving roadway of Rider Ave. from East 135th to East 144th Sts., granite block on concrete.

N. Y., New York—May 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving East 11th St. (curb to curb) from Ave. C to Ave. D; West 124th St. from 7th to 8th Aves., both granite block on concrete; 75th St. from Madison to 5th Aves.; 65th St. from Central Park West to Columbus Ave.; West 113th St. from St. Nicholas to 7th Aves., sheet asphalt on concrete.

N. Y., Rochester—May 15, by Bd. Contract & Supply paving 11,405 ft. Bay St., bitulithic. $105,000. C. A. Poole, city engr. Noted April 6.

N. Y., Rochester—June 6, by C. L. Cadle, supt. Pub. Wks., Albany, paving portion of terminal site, constructing railroad and crane tracks, here, Contr. 88.; adv. this issue.

N. J., Belvidere—June 2, by Bd. Freeholders Warren Co., constructing State Highway Route 5, Sect. 9, Barkers Corner-Hackettstown, reinforced cement concrete. H. W. Vetter, co. engr.; adv. this issue.

N. J., Newton—May 23, by Sussex Co., grading Yellow Frame-Fredon Rd.; paving Main St., Sussex Boro; Ross Corner Sussex Rd., Newton-Fredon Rd.; Newton Stanhope Rd. H. Snook, co. engr.; adv. this issue.

N. J., Plainfield—May 29, by Common Council for sheet asphalt and granite block pavements, Contrs. 216 and 218. A. W. Vars, city engr.; adv. this issue.

N. J., Ridgefield Park—May 31, by Bd. Village Comrs., 234 Main St., improving Elm, Cedar and 2nd Sts. M. D. Starker, village clk.; adv. this issue.

N. J., Somerville—May 26, by Somerset Co. constructing Route 9, Sect. 8 of New Jersey State Highway System from North Branch Sta. Rd. to point near Doughty Ave.; Route 16, Sect. 3 of New Jersey State Highway System from Bedminster Corner to Pluckamin. H. C. Van Emburgh, co. engr.; adv. this issue.

N. J., Toms River—May 26, by Ocean Co., constructing State Highway Route 4, Sect. 18, in Boro of Tuckerton; State Highway Route 4, Sect. 17, Main St., Barnegat; State Highway Route 4, Sect. 16, Toms River. J. M. Abbott, co. engr.; adv. this issue.

Pa., Ebensburg—May 17, Supervs. Richland Twp., c/o Controller Cambria Co., paving 1.52 mi. Solomon Run Rd., vitr. brick on concrete. Former bids rejected. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engrs. Noted April 27.

Pa., Ebensburg—May 22, by Supervs. Lower Yoder Twp., c/o Controller Cambria Co., reconstructing 3,236 lin.ft. Edgewood Rd., vitr. brick. Owen & Plummer Inc., Otto Bldg., Johnstown, engrs.

Pa., Ebensburg—May 29, by Supervs. Barr Twp., c/o Cambria Co. Controller 7,785 lin.ft. Spangler Rd., concrete or brick. C. E. Schlicher, Spangler, engr.

Pa., Harrisburg—May 17, by W. H. Lynch, supt. Dept. Streets and Highways, paving Austin, Walnut, Lerew, Paxton, 2nd and 7th Sts., 13,781 sq.yd. asphalt, 458 sq.yd. concrete, and 6117 lin.ft. concrete curbing. M. B. Cowden, city engr.

Pa., Washington—May 16, by Comrs. Washington Co. rein.-con. roads as follows: Frye Sta. Rd., Carroll Twp., $45,000; Kreppe Knob Rd., East Pike Twp., $60,000; Avilla-Cross Creek Rd., Cross Creek Twp., $85,000; Meadowlands - Houston Rd., Chartiers Twp., $50,000; Claysville-Bethany Rd., Donegal Twp., $25,000; Midway-Steubenville Pike, Robinson Twp., $35,000; Gastonville-Elrama Rd., Sects. 1 and 2, Union Twp., $50,000; McMurray Rd., Sect. 3, Peters Twp., $60,000; West Alexander-Dunsfort Rd., Donegal Twp., $25,000; Hill Church-Eighty Four Rd., North Strubane Twp., $50,000; Midway-Bulger Rd., Smith Twp., $100,000. Cheney Eng. Co., co. engrs.

Maryland—May 23 by State Rds. Comn., Baltimore, paving sections highway in Howard Co., concrete, Contr. HO-21; Baltimore Co., macadam resurfacing, Contr. B-51; St. Marys Co., gravel, Contr. SM-16; Cecil Co., concrete, Contr. CE-39. J. N. Mackall, chn.; adv. this issue.

W. Va., Berkeley Springs—June 12, by Comrs. Morgan Co., constructing 9.5 mi. road, Cacapon Dist. S. H. Lea, dist. engr.; adv. this issue.

South Carolina—May 31, by State Hy. Dept., Columbia, hard surfacing 3.64 mi. Old Stateburg Highway from city limits of Sumter toward Wateree River Bridge, Sumter Co. C. H. Moorefield, state highway engr.

S. C. Charleston—June 1, at office Sanitary and Drainage Comn., Broad St., 5.3 mi. highway, concrete, Federal Project 153, Charleston Co.; adv. this issue.

Florida—State Hy. Dept., Tallahassee, receiving bids laying concrete and rock base on 19.4 mi. road from DeLeon Springs to Putnam Co., Volusia Co. W. F. Cocke, state highway engr.

Fla., Bushnell—May 23, paving various streets, vitr. brick, asphalt or asphalt block. $36,000. Young-Merrin Co., Bushnell, engrs.

Fla., Ocala—May 18, by Comrs. Marion Co., paving Ocala-Belleview Rd., 140,000 sq.yd. vitr. brick, asphalt, concrete, bituminous concrete or bituminous macadam on concrete. G. L. Derrick, Ocala, engr.

Fla., Orlando—May 18, by Comrs. Orange Co., clearing and grading 12.6 mi. road from Bithlo to Brevard Co., 200,000 cu.yd. excav., 50 acres clearing. C. A. Browne, co. engr.

Fla., St. Petersburg—Receiving bids paving 80,000 sq.yd. various streets, brick or asphalt block. E. C. Garvin, St. Petersburg, engr. Noted March 2.

Fla., St. Petersburg—May 15, relaying 17,000 yd. and paving 12,000 yd. various streets, brick. E. D. Garvin, St. Petersburg, engr. Noted March 2.

Ohio—May 19, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Co., Sects. "L-1", "L-2" and "Beaver dam" Lima-Sandusky Rd., 3.045 mi., waterbound macadam and sheet asphalt, $110,480; waterbound macadam and bituminous macadam, asphalt or tar, $78,747; waterbound macadam and brick, no granite given; waterbound macadam and brick, state to furnish brick, $84,754.

Auglaize Co., Sect. "H" Lima-Wapakoneta Rd., 6.538 mi., rein.-con., $212,952; bituminous macadam asphalt or tar, $157,953; monolithic brick, $230,341; state to furnish monolithic brick, $162,948; brick, $243,106; state to furnish brick, $179,417.

Auglaize Co., Sect. "G" Sidney-Wapakoneta Rd., 5.303 mi., rein.-con., $179,937; bituminous macadam asphalt or tar, $142,961; monolithic brick, $196,736; state to furnish monolithic brick, $142,665; brick, $206,666; state to furnish brick, $155,596.

Belmont Co., Sect. "G-1" Barnesville-Woodsfield Rd., 3.462 mi., bituminous macadam asphalt or tar, $95,107.

Carroll Co., Sect. "D" Minerva-Sandyville Rd., 2.915 mi., bituminous macadam, asphalt or tar, $79,914; brick, $91,680; state to furnish brick, $64,391.

Carroll Co., Sect. "A" Carrollton-Malvern Rd., 2.511 mi., brick, $108,422; state to furnish brick, $83,465; bituminous macadam, asphalt or tar, $94,752.

Carroll Co., Sect. "B" Carrollton-Malvern Rd., 4.018 mi., brick, $165,310; state to furnish brick, $127,068; bituminous macadam asphalt or tar, $143,714.

Coshocton Co., Sect. "D" Newark-Coshocton Rd., 3.33 mi., brick, $136,831; state to furnish brick, $104,451; rein.-con., $104,042; bituminous macadam, asphalt or tar, $82,985.

Darke Co., Sect. "D" Dayton-Greenville Rd., 4.491 mi., brick, $160,483; state to furnish brick, $117,799; rein.-con., $137,176; bituminous concrete, $148,562.

Hancock Co., Sect. "B" Findlay-Kenton Rd., 172 mi., Kentucky rock asphalt, $57,123; bituminous concrete $57,335; rein.-con., $52,895; bituminous concrete waterbound base, $49,710.

Medina Co., Sect. "S-1" Ashland-Medina Rd., 2.519 mi., rein.-con., $79,640; bituminous macadam asphalt or tar, $77,591.

Morgan Co., Sect. "I" McConnellsville-New Lexington Rd., 2.061 mi., bituminous macadam asphalt or tar, $50,692.

Perry Co., Sect. "H" Zanesville-New Lexington Rd., 3.217 mi., rein.-con., $103,858; Kentucky rock asphalt, $121,243; bituminous concrete, $117,889.

Richland Co., Sect. "K" Mansfield-Mt. Gilead Rd., 3.476 mi., rein.-con., $120,363.

Richland Co., Sect. "Lexington" Mansfield-Mt. Gilead Rd., 0.588 mi., rein.-con., $31,706.

Sandusky Co., Sect. "A" Fremont-Oak Harbor Rd., 3.448 mi., brick, $133,534; state to furnish brick, $102,636; bituminous concrete, $129,614; rein.-con., $119,273.

Seneca Co., Sect. "D-2" Columbus-Sandusky Rd., 1.587 mi., bituminous macadam, $33,961.

Trumbull Co., Sect. "Q" Warren-Chardon Rd., 2.55 mi., plain concrete, $47,973; Kentucky rock asphalt, $47,062.

Union Co., Sect. "L" Marysville-Marion Rd., 4.403 mi., bituminous macadam, asphalt or tar, $107,556.

Union Co., Sect. "F" and "Marysville" Marysville-Bellefontaine Rd., 0.597 mi., Kentucky rock asphalt, $13,442.

Washington Co., Sect. "L" Marietta-Caldwell Rd., 3.727 mi., rein.-con., $97,956.

Wayne Co, Sect. "L" Akron-Wooster Rd., 2.0002 mi., rein.-con., $52,697; brick, $58,497; state to furnish brick, $39,506, bituminous concrete, $61,509.

Wayne Co., Sect. "K" Orville-Northern Rd., 3.466 mi., brick, $112,834; state to furnish brick, $80,356; bituminous concrete, $115,967; rein.-con., $103,394.

Ross Co., Sect. "Y", "N" and "W" Columbus-Portsmouth Rd., bridges and culverts, proposal 1, $5,904; proposal 2, $14,934; proposal 3, $4,745; proposal 4, $11,912.

Ross Co., Sect. "M" Cincinnati-Chillicothe Rd., bridges and culverts, proposal 1, $2,012; proposal 2, culverts only, $324; proposal 3, repair bridge, $680; proposal 4, bridges and culverts, $4,793; proposal 5, bridges and culverts, $7,910; proposal 6, bridges and culverts, $6,950; proposal 7, culverts, $2,721.

Washington Co., Sect. "K-2" Marietta-Caldwell Rd., two bridges, $25,473.

Washington Co., Sect. "M" Marietta-Caldwell Rd, bridge, $20,025. L. C. Herrick, dir. Highways.

O., Cleveland Heights (Warrensville P. O.)—May 15, by city of Cleveland, grading and paving Superior and Clarkson Rds., Berkshire, Hampshire, Overlook and Nottinghill Lanes, etc., sheet asphalt, asphaltic concrete, brick or bituminous macadam, $150,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs. Noted March 9.

O., Dayton—May 27, by F. A. Kilmer, clk. Montgomery Co., paving about 1 mi. Springfield Pike from corporation line of Dayton to present paving, 6,000 sq.yd. vitr. brick or asphalt. $25,000. P. S. Bookwalter, surv.

Ind., Sullivan—May 27 by Comrs. Sullivan Co., grading and gravel surfacing 12,485 ft. William R. Dugger Rd., 16 ft. $25,000.

Michigan—May 17, by State Hy. Dept., Lansing, grading and surfacing 4.274 mi. State Line Rd. 81-2, Tuscola Co., incl. 13,135 cu.yd. excav., 40,117 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—May 18, by State Hy. Dept., Lansing, grading and surfacing 12.169 mi. State Trunk Line Rd. 24-22, Midland Co., 61,430 cu.yd. excav., 114,062 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—May 19, by State Hy. Dept., Lansing, grading and surfacing 6.105 mi. State Trunk Line Rd. 20-12, Sect. B, Isabella Co., 21,143 cu.yd. excav., 57,310 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—May 19, by State Hy. Dept., Lansing, grading and surfacing 4.04 mi. State Trunk Line Rd. 14-29, Isabella Co., 10,655 cu.yd. excav., 37,923 sq.yd. gravel. L. H. Belknap, ch. engr.

Michigan—May 23, by State Hy. Dept., Lansing, grading and surfacing 6.049 mi. State Trunk Line Rd. 19-15, Sanilac Co., incl. 13,695 cu.yd. excav., 56,766 sq.yd. gravel. L. H. Belknap, ch. engr.

Ill., Chicago—May 16, by Bd Local Impvts., 207 City Hall, concrete paving

Streets and Roads (Continued)

various streets. $745,066. C. D. Hill, City Hall, engr.

Ill., Chicago—May 17, by Bd. Local Imprvts., 207 City Hall, concrete paving various streets. $516,415. C. D. Hill, City Hall, engr.

Ill., Marengo—May 15, paving Grant Highway, 3,000 cu.yd. grading, 9,080 sq.yd. 7 in. rein.-con. pavement, 10,800 ft. concrete curb, 20 c.i. curb inlets, 3,155 ft. 10-24 in. tile, drains, etc. A. L. Webster, Wheaton, engr.

Wis., Viroqua—May 23, by E. J. Older, city clk., City Hall, 10,631 sq.yd. one course rein.-con., vitr. brick with asphalt filler, asphaltic concrete or warrenite bitulithic pavement, 5,216 lin.ft. curb and gutter, 4,000 cu.yd. excav., 140 lin. ft. covered culverts, 6 valve manholes. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Wis., Wisconsin Rapids—May 18, by F. Gilkey, city clk., 26,565 sq.yd. brick and concrete paving and 4,480 ft. combined concrete curb and gutter.

Ia., Allison—May 20, by Auditor Allison Co., grading 15 mi. Primary Rd. Project 167. A. Zack, M. B. A. Bldg., Mason City, engr.

Ia., Guthrie Center—May 17, by Auditor Guthrie Co., grading, etc., road between Adair and Casey, 293,466 cu.yd. excav., 4,100 ft. 6 in. and 160 ft. 12 in. tile.

Ia., Hampton—May 15, by Auditor Franklin Co., grading 12 mi. Federal Aid Project 171, incl. bridge work. A. Zack, M. B. A. Bldg., Mason City, engr.

Ia., Kingsley—May 22, concrete paving 22,060 sq.yd. various streets. $48,000. T. H. Johnson, 319 Iowa Bldg., Sioux City, engr

Ia., West Union—May 18, by Auditor Fayette Co., grading 5.36 mi. northeast of Clermont, Primary Rd. Project 144, 51,316 cu.yd. excav., etc., 4.478 mi. from Oelwein east, Sect. D, Federal Aid Project 59, 15,612 cu.yd. excav., 13.588 mi. from Chickasaw Co. line to here, 187,540 cu.yd. excav., 83,604 ft. 6 in. and 15,530 ft. 8 in. tile, etc., 8,604 mi. from Bremer Co. line east, Federal Aid Project 164, 172,537 cu.yd. excav., 58,388 ft. 6 in. tile, etc. 1.75 mi. from Hawkeye north, Primary Rd. Project 145, 21,663 cu.yd. excav., etc. Iowa Hy. Comn., Ames, engrs.

Minn., Moorhead—May 17, paving 20 blocks, 22,471 sq.yd. concrete, bituminous concrete, bitulithic, creosoted wood block or vitr. brick; 14,167 lin.ft. concrete curbing, 7,747 cu.yd. excav. $60,000. W. B. Stevenson, Fargo, N. D., engr. Noted March 30.

Kan., Emporia—May 26, at office Clerk Lyon Co., paving 3.774 mi. Santa Fe Trail, Sect. C, Project 3, concrete or brick. W. S. Ruggles, co. engr.; adv. this issue.

S. D., Aberdeen—May 22, paving 20 blocks, various types. $70,000. F. LeCocq, city engr.

N. D., Devils Lake—May 16, by Ramsey Co., surfacing 14.4 mi. Federal Aid Project 19, Sect. B, 19,700 cu.yd. gravel, $25,000; 5.8 mi. Federal Aid Project 155, 29,097 cu.yd. excav., $8,000; 7 mi. Federal Aid Project 41, Sect. B, 43,510 cu.yd. excav., 13,758 cu.yd. overhaul, etc., $12,000. J. A. Kramer, aud.

N. D., Minot—May 19, by Ward Co., grading 14.5 mi. Federal Aid Project 85, $28,000; 12 mi. road through Carpio and Foxholm, $24,000; gravel surfacing 10.7 mi. Federal Aid Project 84, $20,000; 7 mi. Federal Aid Project 83, $14,000. R. W. Kennard, aud.

Missouri—May 16, by State Hy. Dept. at div. office Shelbyville, 4.529 mi. road from Shelbyville southward, State Aid Project 20.129, Shelby Co., 24,108 cu.yd. earth excav., 14,730 cu.yd. borrow, 282.3 cu.yd. concrete masonry, etc. A. Graham, Jefferson City, state highway engr.

Missouri—May 17, by State Hy. Dept. at div. office Forsyth, 0.587 mi. road, from Forsyth to Branson, Federal Aid Project 163, Taney Co. and 2.434 mi. road from Forsyth southward, State Aid Project 20.159, Taney Co. A. Graham, Jefferson City state highway engr. Noted March 16.

Colorado—May 17, by State Hy Dept., Denver, paving 1.004 mi. road between Littleton and Sedalia, Federal Aid Project 130, Arapahoe and Douglas Counties, incl. 3,264 cu.yd. earth excav., 10,466 sta.yd. concrete, $38,000. L. D. Blauvelt, State Office Bldg., Denver, engr.

Col., Denver—May 16, by Dept. Impvt. and Parks, paving 10 blocks, 10th Ave. Paving Dist., asphalt on macadam base. $39,505. A. K. Vickery, City Hall, engr.

N. M., Albuquerque—May 31, paving, grading, curbing, guttering, etc., North 2nd St. J. N. Gladding, city mgr.; adv. this issue. Noted May 4.

Idaho, Lewiston—May 20, by Comr. Pub. Wks., 202 Pioneer Bldg., grading and building structures on 9.94 mi. Federal Aid Project 55, 92,000 cu.yd. earth and 120,000 cu. yd. rock excav., 421 cu.yd. concrete, 31,300 lb. reinforcing, etc. $125,000. W. Osborn, Lewiston, engr.

Washington—May 16 by State Hy. Dept., Olympia, paving 6.55 mi. State Project 92, between Buena and Dalton, Yakima Co., concrete, J. Allen, state highway engr.

Wash., Walla Walla—May 23, concrete paving 2 mi. Chestnut St., et al, 28 ft. $100,000. W. Rehorn, city engr. Noted May 4.

Cal., Newport Beach—May 15, by City Clerk, paving Central Ave. et al. 5 and 8 in. concrete.

Cal., Torrance—May 16, by City Clerk, paving Carson and Arlington Sts., 4 and 5 in. willite.

N. B., Fredericton—May 16, by P. J. Venoit, minister pub. wks. building 6 mi. road from Musquash to Lepreau, Contr. 32; 5.3 mi. from Nerepis to Welsford, Contr. 33; 4 mi. from Buctouche North, Contr. 34; 6.1 mi. from The Range to Cumberland Bay, Contr. 35; 6 mi. from Andover to Aroostook Junction, Contr. 36. B. M. Hill, Fredericton, engr.

Ont., Chatham—May 15, by L. A. Pardo, engr., Harrison Hall, 1¼ mi. concrete pavement in suburban area adjoining city. $125,000. Prices wanted on all materials.

BIDS RECEIVED

Conn., Middletown—Opened bids paving 2 mi. Main St., asphalt, from Simpson Bros. Corp., 166 Devonshire St., Boston, $121,000; Hudson Paving Co., New York, $125,990; Warren Bros. Co., 142 Berkeley St., Boston, $129,000. Noted April 20.

N. Y., Buffalo—Bd. Supervs. Erie Co. opened bids May 2, paving (1) Quaker St., Town Aid Highway 94, (2) Mile Strip, County Aid Highway 93, concrete, from Staple, Mumm & Beals Corp., Gardenville, (1) $19,900; Meyer & Meyer Corp., Lancaster, (1) $20,332, (2) $19,540; Cold Spring Constr. Co., 833 Ellicott Sq., (1) $21,000, (2) $23,000; F. J. Mumm Contg. Co., Buffalo, (2) $29,900.

N. Y., Buffalo—Bd. Supervs. Erie Co., constructing Bloomingdale Rd. (County Aid Highway 1), (a) bituminous macadam, stone bottom course and stone top, inside village, (b) bituminous macadam, slag bottom course, slag top, inside village, (c) waterbound macadam, stone bottom, stone top outside village (d) waterbound macadam, slag bottom, slag top, outside village, from F. J. Mumm Contg. Co., Buffalo, (a) $30,000, (b) $25,300, (c) $27,000, (d) $24,000; Rossney Contg. Co., 73 West Eagle St., (a) $29,720, (b) $27,262, (c) $27.25, (d) $25,693; Cold Spring Constr. Co., 833 Ellicott Sq., (a) $19,400, (b) $17,600, (c) $12,200, (d) $10,600.

N. Y., Gloversville—Paving (1) North, East and South Park Drs., (2) Prospect St., both bituminous on concrete, from M. Vrooman, Gloversville, (1) $29,359, (2) $6,975; J. P. Dugan & Co., Amsterdam, (1) $33,057, (2) $7,687; J. C. Connors Co., 137 Jay St., Schenectady, (1) $35,121, (2) $7,757.

N. Y., Rochester—Bd. Contract & Supply, paving (1) Kron St., (2) Elgin St., (3) Rosedale St., (4) Roxborough Rd., all asphalt, from T. Holohan, Rochester, (1) $9,049, (3) $4,503; Whitmore, Rauber & Vicinus, 279 South Ave., (2) $9,180; Robstein-Holter Co., Rochester, (4) $17,037.

N. Y., St. George—M. J. Cahill, pres. Richmond Boro, Boro Hall, opened bids May 3, repaving (1) within franchise area of Richmond Light and Railroad Co. on Richmond Terrace from Van to Bodine Sts., (2) within franchise area of Richmond Light and Railroad Co. on Richmond Terrace from Davis to Campbell Ave., from J. Johnson Sons, 455 Bway., West New Brighton, (1) $24,100, (2) $24,970; Sachs & Leedecke, (1) $24,750, (2) $25,650; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (1) $24,475, (2) $25,345. Noted April 27.

N. Y., White Plains—F. L. Merritt, clk. Bd. Supervs. Westchester Co. opened bids May 1, paving 4.53 mi. Long Ridge Rd. in towns of Bedford and Poundridge, from J. Ciarcia and J. Berg, Mt. Vernon, $153,933; O'Brien & McEntegart, New York, $159,341; Molloy & Murray Contg. Co., Yonkers, $169,285. Noted April 20.

Pa., Ebensburg—Supervs. Lower Yoder Twp., c/o Cambria Co. Controller opened bids May 3, paving 3,505 lin.ft. Virginia Ave., Wall and Gilbert Sts., vitr. brick on one course rein.-con., from J. L. Elder, Ebensburg, $60,901; G. T. Morgan, Johnstown, $65,474; M. O'Herron Co., 1st and McKean Sts., Pittsburgh, $66,445. Noted April 20.

North Carolina—State Hy. Dept., Raleigh, improving (1) 5.05 mi. State Project 446, Lee Co., (a) grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts, (2) grading and concrete or asphaltic paving 14.6 mi. State Projects 629 and 647, Catawba and Lincoln Counties, (3) grading and waterbound macadam paving 8.87 mi. State Project 990, Transylvania Co., (4) State Project 187, Pitt Co., (a) grading and topsoiling, (b) rein.-con. bridges and culverts, (5) clearing and topsoiling 13.6 mi. State Project 326, Columbus Co., (6) rein.-con. bridge over Haw River, State Project 503, Allamance Co., from Atlantic Bitulithic Co., Virginia Ry. and Power Bldg., Richmond, Va., (1a) $148,321; O. A. Mann, La Grange, Ga., (1b) $8,870; Alabama Concrete Products Co., Selma, Ala., (1a) $152,545; Stearns Bros., Statesville, (1b) $9,092; Porter & Boyd, Realty Bldg., Charlotte, (1a) $166,031; Atlantic Bridge Co., Roanoke, Va., (1b) $9,913, (6) $54,045; A. L. Harris, Dillsboro, (2) $432,537; Hardaway Contg. Co., Charlotte, (2) $437,855; J. A. Kreis, Holston Bank Bldg., Knoxville, Tenn., (2) $463,132, (5) $105,143; S. L. Davis Constr. Co., Greensboro, (3) $53,606; A. W. McClay, 2400 Grove Ave., Richmond, Va., (3) $56,204; Ross Bros., Andrews, (3) $75,093; J. P. Dicus, Bethel, (4a) $16,078; Poners & Thompson, Willard, (4b) $11,556; J. M. McGeehee Constr. Co., Tarboro, (4a) $16,531, (4b) $11,838; Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., (4b) $14,949; J. T. Plott, Greensboro, (5) $99,384; Jamison Bros., High Point, (5) $101,873; R. M. Thurmond & Co., Lynchburg, Va., (6) $54,983; Reid & Love, Piedmont Bldg., Charlotte, (6) $55,480. Noted April 6.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 8.23 mi. highway from Uriah to Monroeville, Monroe Co., from Alabama Constr. Co., Bell Bldg., Montgomery, $34,405, Kyser & Gillis, Monroeville, $35,354, P. A. Goldsmith, Montgomery, $35,401; grading and surfacing 13.63 mi. from Kellyton to Goodwater, Coosa and Tallapoosa Counties, (1) gravel, (2) chert, (3) bituminous macadam, from Finnell Co., Tuscaloosa, (2) $159,437, (3) $223,815, Gardiner Crawford Co., Columbus, Ga., (1) $163,133, Little & Dean, Shaw, Miss., (1) $187,291, (2) $177,636, R. D. Chambers & Co., West Point, Ga., (2) $177,895, Stanley & Singer Constr. Co., La Fayette, (3) $236,671, T. P. Wright, Atlanta, Ga., (3) $243,080. Noted April 13.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids May 5, grading, bridging and paving roads with (a) rein.-con., (b) brick, (c) state to furnish brick, (d) gravel, (e) bituminous concrete, oil, (f) bituminous concrete, lake, in following counties: Geauga Co., Sect. "W-2" Chagrin Falls-Greenville Rd., 4.429 mi., from W. I. Thompson & Son Co., 5103 Euclid Ave., Cleveland, (a) $14,916. Geauga Co., Sects. "V-2" and "W-1" Chagrin Falls-Greenville Rd., 4.946 mi., from W. I. Thompson & Son Co., 5103 Euclid Ave., Cleveland, (a) $16,846. Holmes Co., Sect. "I" Mansfield-Millersburg Rd., 2.49 mi., from Griggs-Anderson Co., Millersburg, (b) $57,956; Holmes Constr. Co., Millersburg, (b) $60,210, (c) $46,131. Knox Co., Sect. "A" Mt. Vernon Mansfield Rd., 1.98 mi., from P. Ritter, Belleville, (d) $26,058; Henderson Bros., Chagrin Falls, (d) $26,812; Galion Constr. Co., Galion, (d) $27,497. Knox Co., Sect. "State Sanatorium" State Sanatorium Rd., 0.734 mi., from Henderson Bros., Chagrin Falls, (b) $18,989, (c) $13,534. Marion Co., Sect. "G" Marion-Marysville Rd., 2.057 mi. from Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (e) $49,217, (f) $49,515; H. P. Streicher Co., 319 Terminal Bldg., Toledo, (e) $50,386, (f) $52,878; A. G. Pugh, Columbus, (e) $52,124 (f) $53,466. Noted April 20.

O., Cleveland—Comrs. Cuyahoga Co. paving Bradley Rd., from Highway Constr. Co., Elyria Blk., Elyria, $94,749. Noted May 4.

Minn., Warren—Marshall Co., opened bids April 25, grading 11.53 mi. Job 2202, State Rd. 10; 9.72 mi. Job 2206, State Rd. 6, from C. Franks, Warren, $.13 per cu.yd.; A. J. Moen, Middle River, $.15 75 per cu.yd. Noted April 13.

S. D., Sturgis—State Hy. Comn. received lowest bids for grading 14 mi. Federal Aid Project 88A, Meade Co., from Merrill, Maurer & Centner, Newell, $46,707; one

Streets and Roads (Continued)

76 ft. and one 48 ft. concrete viaducts and one 30 ft. I beam bridge, from H. Pickus Constr. Co., Sioux City, Ia., $40,148. Noted April 13.

Col., Denver—Concrete paving (1) 12 blocks Alley Paving Dist. 80, (2) 10 blocks Alley Paving Dist. 77, (3) 12 blocks Alley Paving Dist. 76, from A. J. Collins, 2363 Blake St., (1) $16,104, (2) $13,098, (3) $15,894; W. W. Axton Constr. Co., 4437 Alcott St., (1) $16,312, (2) $13,267, (3) $16,099; W. F. Pigg & Son, Engineers Bldg., (1) $16,432, (2) $13,372, (3) $16,219. Noted April 27.

Ont., Ottawa—Paving (1) Armstrong St. from Garland to Bay View Sts., (2) Armstrong St. from Parkdale to Holland Aves., (3) Rideau St. from McKenzie Ave. to Sussex St., from T. G. Brigham, 85 Duke St., (1) $5,691, (2) $7,961; J. Gleeson, 7 Delaware Ave., (1) $7,585, (2) $10,581, (3) $15,758; O'Learys, Ltd., Bank National Bldg., Rideau St., (1) $8,242, (2) $11,324, (3) $14,702; Comrs. Pub. Wks., City Hall, (1) $7,805, (2) $10,120, (3) $15,202. Noted Nov. 24.

CONTRACTS AWARDED

Mass., Adams—Dept. Pub. Wks. concrete paving and sewers in Columbia St. and Howland Ave., to D. S. McGrath, Inc., Adams, $63,890.

Mass., West Springfield—Hampden Co. paving, grading and finishing western approach to new Connecticut River Bridge, to Adams & Ruxton Constr. Co., 33 Lyman St., Springfield, $106,389.

Conn., Manchester—Concrete sidewalks and curbing on various streets, to F. L. Ford, 173 Orange St., New Haven, $28,060. Noted April 6.

N. Y., Binghamton—Bd. Contract & Supply paving Vestal Ave., bitulithic, to Municipal Constr. Co., U. C. N. B. Bldg., Utica, $74,478. Noted May 4.

N. Y., Buffalo—Paving Madison and Lovejoy Sts., specification "B" standard asphalt on concrete, to H. P. Burgard Co., 1968 Fillmore Ave., $25,540 and $35,620 respectively; Alabama St., medina dressed block sandstone on Portland cement, and Howard St., specification "B" standard asphalt on concrete, to Rock Asphalt & Constr. Corp., Morgan Bldg., $10,245 and $94,870 respectively; Schreck and Kermit Aves., specification "B" brick on concrete, to B. F. Spire, 24 Colonial Circle, $16,925 and $13,192 respectively.

N. Y., Gloversville—To M. Vrooman, Gloversville, paving East 11th Ave., $11,417, Gold St., $2,602, South Main St., $8,091, South School St., $5,111, Temple St., $7,904. All bituminous on concrete.

N. Y., Hornell—To Kennedy Constr. Co., Hornell, paving Cottage Ave., Allen, Elm, Grand, Washington and North Church Sts., 11,000 yd. brick, $63,259, Hornell St., Chaddock Ave. and Adsit Pl., macadam, $15,308; to L. Dennison, 162 North Main St., Bemis Ave. and Adsit Pl., concrete, $6,505, curbing and guttering Park, Oak, Davenport and Albion Sts., $6,221. Noted March 16.

N. Y., Lockport—Bd. Supervs. Niagara Co. paving 12.25 mi. Lake Rd., concrete, to G. A. Hitchcock, Clymer, $290,584; 2.02 mi. Military Rd., in Niagara, concrete, to F. J. Mumm Contg. Co., 176 Best St., Buffalo, $48,547; 3.33 mi. Beach Ridge Rd., bituminous macadam, to Siller & Waite, Norwich, $55,839; 2.07 mi. Stone Rd., Hartland Twp. and 1.39 mi. Griswold St. (Gilbert Corners), macadam, to F. H. Rhody, Albion, $30,470 and $23,136 respectively. Noted May 4.

N. Y., New York—H. Bruckner, pres. Bronx Boro. Municipal Bldg., paving and improving central drive of Grand Blvd. and Concourse from East 161st St. to Mosholu Parkway, etc., and repaving East Tremont Ave., etc., to Asphalt Constr. Co., 2197 Madison Ave., $133,126 and $35,772 respectively; grading, setting curb and laying sidewalks, etc., on Webb Ave., to N. J. Ferrone, 15 East 40th St., $116,269. Noted May 4.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving East 11th St., to Uvalde Asphalt Paving Co., 1 Bway., $11,268; Leonard St., to Regan-Towers Co., 124 West 121st St., $15,705. Noted May 4.

N. Y., Oneida—Bd. Supervs. Madison Co. will build 14 mi. bituminous macadam highways in various towns, by day labor, under supervision of F. J. Wagner, co. supt. highways. $103,000.

N. Y., Syracuse—Bd. Contract & Supply paving Oak St., asphalt, to F. J. Baker, University Bldg., $20,662; Spencer St., bituminous topeka, to J. H. Gallup, Union Bldg., $40,692. Noted April 20.

N. Y., Utica—Bd. Contract & Supply, paving various streets, to H. W. Roberts Co., 622 South St., $25,000. Noted April 20.

N. J., Mount Holly—Burlington Co. reconstructing 18,000 sq.yd. Sect. 4, River Rd. between Beverly and Burlington, to Union Paving Co., 30th and Locust Sts., Phila., $27,585. Noted April 6.

N. J., New Brunswick—Bd. Freeholders Middlesex Co. paving 1½ mi. Cranbury Sta. Rd., concrete, to H. V. Oliver, 21 Liberty St., $46,431.

N. J., Toms River—Ocean Co. paving Route 4, Sect. 13, State Highway, Boro of Point Pleasant Beach, to C. H. Earle, 173 Main St., Hackensack, $35,472. Noted April 13.

N. J., Trenton—To J. J. Barrett, 147 Lafayette St., paving 4,960 sq.yd. Passaic St., $18,461, 1,085 sq.yd. Sandford St., $4,372, 1,870 sq.yd. Stockton St., $3,458; to A. De Lucia, 52 Bayard St., 690 yd. Calhoun St., $5,681, 430 yd. Chambers St., $3,096, 5,260 yd. Muirheid Ave., $41,945, 1,640 yd. Southard St., $12,381; to Ross & Wheland, Broad St. Bank Bldg., 2,230 yd. Clay St., $7,725, 1,595 yd. Dunham St., $5,319, 1,090 yd. Livingston St., $6,825, 6,230 yd. Monmouth St., $20,831 5000 yd. Princeton Ave., $7,259, 7,700 yd. South Warren St., $17,380, 4,500 yd. West End and Edgewood Sts., $13,386. All asphalt. Noted April 20.

Pennsylvania—State Hy. Dept., Harrisburg, Route 100, Application 1525, McKean Co., to D. L. Dennis, Eldred, $63,026; Route 67, Sect. 1, Armstrong Co., to Jones Constr. Co., Salem, O., $111,783; Route 276, Sect. 4B, Cambria Co., to M. J. O'Herron Co., 1st and McKean Sts., Pittsburgh, $153,124; Route 211, Application 1729, Clearfield Co., to Burnside Constr. Co., Burnside, $33,362; Route 315, Sect. 2, Lawrence Co., to C. B. Burns and I. R. Burt, Ellwood City, $251,938; Route 208, Sect. 2, Mercer Co., to Strange & Payne, 306 West Market St., Mercer, $230,414; Route 238, Sect. 4, Mercer Co., to J. C. Devine Co., Alliance, O., $63,147; Route 216, Application 333, York Co., and Application 1725, Clearfield Co., to Warren Bros. Co., 9 Cambridge St., Boston, Mass., $128,053 and $30,070 respectively. Noted April 27.

W. Va., Hinton—Comrs. Summers Co., grading 3 mi. Sandstone Rd., to Board & Duffield, 1012 Virginia St., Charleston, $80,000. Noted March 16.

W. Va., Huntington—Paving 22nd and West 3rd Sts., South Blvd., Monroe and 12th Aves., to Duncan & Griffith, Huntington, $109,245; Monroe Ave. from 9th to 13th Sts., to L. J. Gillespie, 1751 5th Ave., $29,392.

North Carolina—State Hy. Dept., Raleigh, clearing and grading 15.6 mi. State Project 219, Duplin and Lenoir Counties, to Chitwood & Carpenter, Columbia, S. C., $70,139. Noted April 13.

S. C., Newberry—Newberry Co. topsoiling 37.6 mi road to Newell Contg. Co., Anderson, $102,941.

Fla., Orlando—Orange Co. clearing and grading 16 mi. Orlando-Titusville Blvd., 90,000 cu.yd. excav., 60 acres clearing, to W. P. Johnson, Orlando, clearing $40 per acre, grading $0.30 per yd., total $29,000.

Fla., Williston—For 1,600 sq.yd. asphalt block or brick, and 22,000 sq.yd. rock and asphalt, to Mickler & McLeod, Tampa, $35,280. Noted April 6.

Louisiana — State Hy. Comn., Baton Rouge, grading and gravel surfacing 22 mi. Thibodaux-Lockport Highway, along west bank of Bayou LaFourche, LaFourche Parish, to S. A. Gano, Maison Blanche Bldg., New Orleans, $80,000.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 1.211 mi. Sect. "M" Lima-Ottawa Rd., Kentucky rock asphalt and 0.498 mi. Sect. "P" Lima-Ottawa Rd., brick, both Putnam co., to Scott Constr. Co., Lima, $26,786 and $27,079 respectively. Noted May 4.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Allen Co., Sect. "K" Lima-Sandusky Rd., 3.136 mi., to L. Reeb, Defiance, asphaltic macadam, $59,382. Crawford Co., Sects. "L", "Chatfield" and "M" Columbus-Sandusky Rd., 6.256 mi., brick, to Scott Constr. Co., Lima, $232,802. Union Co., Sect. "H" Marysville-Kenton Rd., 4.139 mi., asphaltic macadam, to L. G. Rockholt, West Mansfield, $83,296. Noted April 27 and May 4.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Mercer Co., Sect. "I" Celina-Greenville Rd., 3.678 mi., rein.-con., to Lynn Constr. Co., Paulding, $66,637. Clermont Co., Sect. "L" Cincinnati-Chillicothe Rd., 1.646 mi., asphaltic macadam, to Hogan & Garrison, Milford, $32,638. Lake Co., Sect. "H" Painesville-Warren Rd., 1.1 mi., rein.-con., to L. G. Booth, Painesville, $30,154. Wyandot Co., Sect. "Upper Sandusky" Upper Sandusky-Marion Rd., 0.497 mi., brick, to Newark paving & Constr. Co., Newark, $29,576. Wyandot Co., Sect. "Upper Sandusky" Findlay-Upper Sandusky Rd., 0.88 mi., brick, to Newark Paving & Constr. Co., Newark, $35,031. Wyandot Co., Sect. "A" and "Carey" Fostoria-Carey Rd., 1 mi., to Newark Paving & Constr. Co., Newark, brick, $37,597. Noted April 20.

O., Xenia—T. H. Zell, city auditor, paving portions 8 streets, 12,705 sq.yd. sheet asphalt, to Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, $55,694. Noted April 27.

Indiana—State Hy. Comn., Indianapolis, grading and paving 5.261 mi. National Rd., Clay Co., to Foulkes Constr. Co., 705 Ohio St., Terra Haute, $110,412; 5.65 mi. National Rd., Putnam Co., to Kerr & Murphy, Bloomington, $90,566. Noted March 30.

Ind., Evansville—Vanderburgh Co. paving 29,968 ft. Big Cynthiana Rd., concrete and asphalt, 26,462 cu.yd. excav., to J. H. Thornburg, Boonville, $196,350.

Ind., South Bend—St. Joseph Co., paving 10,560 ft. Division St. Rd., 23,466 sq.yd. concrete, gravel foundation, to Seamon Constr. Co., Goshen, $70,000; 6.4 mi. Turkey Creek Rd., 60,074 sq.yd. concrete, concrete base, to A. A. Gast & Son, Warsaw, $145,575; grading and paving 4 mi. Dogwood Rd., 38,257 sq.yd. concrete, concrete base and 20,653 ft. County Rd., 36,716 sq.yd. concrete, concrete base, to Reith-Riley Constr. Co., Goshen, $110,000 each; grading and gravel surfacing 2.75 mi. Sauer Rd., 18 ft., to T. Desonia Co., Elkhart, $28,000; 31,338 ft. McEndorfer Rd., 16 ft. to W. J. Wells & Co., Frankfort, $77,848; 13,976 ft. Union Twp. Rd., 16 ft., to B. D. McCoy & Son, Rensselaer, $29,107.

Michigan — State Hy. Dept., Lansing, grading and surfacing 7.206 mi. State Trunk Line Rd. 65-6, Sect. B, Monroe Co., to Hillding & Rabe, Grand Rapids, incl. 25,430 cu.yd. excav., $0.70, 310.5 cu.yd. 1:2:4 concrete, $14, 767 cu.yd. 1:3:6 concrete, $13, 76,040 sq.yd. concrete pavement, $1.35, etc., total $180,179. Noted April 20.

Michigan — State Hy. Dept., Lansing, grading and surfacing 8.716 mi. Federal Air Project 50, Sect. A. Monroe Co., to W. H. Knapp Co., Monroe, incl. 36,753 cu.yd. excav., $0.60, 228.7 cu.yd. 1:2:4 and 480.3 cu.yd. 1:36 concrete, $12, 101,380 sq.yd. rein.con. pavement, $1.68, total $209,131. Noted April 13.

Michigan—State Hy. Dept., Lansing, grading and surfacing 4.306 mi. Federal Aid Project 52, Sect. B, Kalamazoo Co., to Simpson, Beatty & Keith, Dowagiac, 12,412 cu.yd. excav., $0.50, 82.8 cu.yd. 1:2:4 concrete, $17, 173.9 cu.yd. 1:3:6 concrete, $13, 45,470 sq.yd. concrete pavement, $1.20, etc., total $65,503; 4.494 mi. State Trunk Line Rd. 13-24, Emmett Co., to Scott, Cochrane & Scott, Lansing, 14,670 cu.yd. excav., $0.50, 60.7 cu.yd. 1:2:4 concrete, $13, 29.4 cu.yd. 1:3:6 concrete, $12, 47,458 sq.yd. concrete pavement, $0.86, etc., total $51,159. Noted April 13.

Ill., Springfield—Grading, curbing and brick paving 11 blocks Monroe St. from Spring to 10th Sts., to B. F. Nelch & Son, 921 East Jackson St., $86,000.

Wisconsin — State Hy. Comn., Madison, grading, gravel surfacing, etc., to Lowe Bros., Eau Claire, Osseo-Eau Claire Rd., Project 1013, Eau Claire Co., $15,864, Durand-Eau Claire Rd., Federal Aid Project 289, Pepin Co., 9,689; to A. E. Tilseth, Menomonie, Thorp-Withee Rd., Project 1008, Clark Co., $16,070; to Amundson & Spafford, Wisconsin Rapids, Chelsea-Abbotsford Rd., Project 1015, Taylor Co., $10,274, Westboro-Prentice Rd., Project 297, Price Co., $18,737; to R. Paulson, Granton, Black River Falls-Milston Rd., Project 214, Jackson Co., $57,710; to Brogan & McGinley, Crandon, Polar-Langlade Rd., Project 293, Langlade Co., $18,093, Mountain-Wabeno Rd., Project 287, Forest Co., $17,668, Armstrong-Creek-Florence Rd., Project

Streets and Roads (Continued)

206, Florence Co., $40,612, Irma Gilbert Rd., Federal Aid Project 223, Lincoln Co., $43,645; to W. H. Bent, Eagle River, Elcho-Enterprise Rd., Project 295, Oneida Co., $16,065. Noted April 20.

Wisconsin—State Hy. Comn., Div. office at Milwaukee, concrete surfacing, etc. 5.7 mi. Center Rd., Federal Aid Project 286, to Milwaukee Genl. Constr. Co., 857 8th Ave., Milwaukee, $132,850; 3.15 mi. Milwaukee-Waukesha Rd., Federal Aid Project 300, to Jacobus & Winding Concrete Constr. Co., 1 State St., Wauwatosa, $65,053. Noted April 27.

Wisconsin—Wisconsin Hy. Com., Madison, grading, gravel and clay surfacing Project 271, Oconto Co., to S. J. Groves & Son, 120 Manhattan Bldg., Duluth, Minn., $34,739; Project 272, Oconto Co., 22,154 cu. yd. unclassified excav. and gravel surfacing, to Muth & Knechtel, Manitowoc, $20,377. Noted April 27.

Wisconsin—State Hy. Comn., Madison, Prairie du Chien-Fennimore Rd., Project 299, Grant Co., to E. Jones, Lancaster, 12,581 cu.yd. earth excav. $0.50, 950 cu.yd. loose rock $1.20, 275 cu.yd. solid rock $2.50, 5,529 cu.yd. stone surfacing $2.30, etc., total $22,132; Lancaster-Prairie du Chien Rd., Project 298, Grant Co., to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., 27,997 cu.yd. earth excav. $0.36, 1,228 cu. yd. loose rock $1.10, 9,075 cu.yd. borrow, $0.36, 9,635 cu.yd. stone surfacing $2.25, etc., total $58,721. Noted April 27.

Wis., Ashland—Paving various streets, 30,000 sq.yd. brick and 20,000 sq.yd. tarvia over macadam, to Woodrick Constr. Co., 1141 Metropolitan Life Bldg., Minneapolis, Minn., $150,000.

Wis., Green Bay—Brown Co. State Road and Bridge Com. Eaton-Kewaunee Rd., to Blake Constr. Co., 627 South River St., Appleton, 15,000 cu.yd. unclassified excav. $0.80, 46,933 sq.yd. concrete surfacing $1.39, etc., total $85,612; Bay Beach Rd., to Jorgenson Constr. Co., Denmark, 1,000 cu.yd. unclassified excav. $0.55, 11,880 sq.yd. concrete surfacing $2.17, 102 lin.ft. corrugated pipe, $4, etc., total $25,973; Old Military Rd., to E. Schuster, Denmark, 150 cu.yd. concrete in culverts $17.50, 18,480 sq.yd. concrete surfacing $1.465, etc., total $35,689.

Wis., Madison—Paving Bower, Sheldon Stockton and Dayton Sts., one course concrete, concrete curb and gutter, to J. R. Cullinane, 618 West Dayton St., $40,211. Noted May 4.

Wis., Milwaukee—Asphalt paving, etc., to Badger Constr. Co., 97 Wisconsin St., 3,500 sq.yd. 51st St. from Wright to Center Sts., $21,792, 5,744 yd. 49th St. from Lisbon Ave. to Center St., $32,818, 6,845 yd. 22nd St. from Herbert to Lake Sts., $37,535; to F. P. Coughlin Co., 888 Island Ave., 13,300 yd. Lake St. from Humboldt to Richards Sts., $78,352, 1,138 yd. Teutonia Ave. from Lake St. north, $5,915, 1,796 yd. 24th St. from Pease to city limits, $11,769.

Wis., Wauwatosa—Bd. Pub. Wks., to Jacobus & Winding Constr. Co., 1 State St., grading and paving 8th Ave. from East Milwaukee to East North Aves., $25,345, East Center St., $4,504, Vista Ave. $10,918, Red Arrow Court $4,661; paving 8th Ave. from State St. to East Milwaukee Ave. $13,258. Noted April 6.

Wis., West Bend—Washington Co. concrete surfacing etc. 8.6 mi. West Bend-Kewaskum Rd., 18 ft., to Froemming Bros., 1326 Humboldt Ave., Milwaukee, $171,134; 2.4 mi. West Bend-Kewaskum Rd. by day labor.

Ia., Des Moines—Polk Co., grading 6,947 mi. Primary Rd. Project 244 from Altoona east to County Line, 72,157 cu.yd. excav., to Tift & Arndt, Indianola, $0.264 per cu.yd. Noted April 20.

Ia., Garner—Hancock Co., paving, etc., 15.14 mi. Primary Rd. 19, from end of paving in Hutchins to Kossuth Co. line and from Britt to here, Federal Aid Project 94,160, 235 sq.yd. paving, 60,800 cu.yd. excav., to Henkle Constr. Co., 629 M. B. A. Bldg., Mason City, $0.60 per cu.yd. for excav., $2.185 per sq.yd. for Type A concrete paving, Class 2 coarse aggregate.

Ia., Marshalltown—Paving 28 blocks, 34,300 sq.yd. concrete, 18,790 lin.ft. concrete curb, to Anderson & Empie, Marshalltown, $86,683. Noted April 20.

Ia., New Hampton — Chickasaw Co., grading 11.99 mi. primary roads east and west through Fredericksburg, Federal Aid Project 177,113,304 cu.yd. excav. to T. Ryan & Sons, Missouri Valley, $0.298 per cu.yd.; 91,940 ft. 6 in. and 26,060 ft. 8in. tile drain, to J. W. Cox, Clear Lake, $0.11 and $0.15 per ft. respectively. Noted April 27.

Ia., Sioux City—Woodbury Co. grading Oto-Anthon Rd., Project 162, 158,587 cu.yd. earth excav., to R. E. Betz, 2909 Pierce St., $0.23 per cu.yd.

Minn., Blue Earth—Faribault Co., grading 4.6 mi. State Rd. 3, and 6.75 mi. State Rd. 8, to W. H. Duffy, Fairmont, $10,018 and $12,777 respectively; Bridge 3766 and culverts on State Rd. 3, Bridge 3765 and culverts on State Rd. 8, to Babcock Bros., Winnebago, $2,500, $1,500, $2,790 and $2,322 respectively. Noted April 13.

Minn., Breckenridge—Wilkin Co., Job 2202, State Rd. 1, 70,124 cu.yd. earth and 100 cu.yd. loose rock excav., 134,610 cu.yd. overhaul, to P. E. Stonehart, Rothsay, $18,449; culverts to North Dakota Culvert Co., Fargo, N. D., and E. M. Berg, Fergus Falls, $1,866 and $655 respectively. Noted April 13.

Minn., Mankato—Blue Earth Co., (1) 4.6 mi. Job 2201, State Rd. 5, (2) 6.5 Job 2202, State Rd. 2, (3) 2 mi. Job 2294, State Rd. 2, (4) 2 mi. Job 2205, State Rd. 11, (a) excav. (b) bridges, (c) tile, (d) culverts; (a) and (3a) to J. Brown, Madison Lake, $12,070 and $4,405 respectively; (1b), (2d) and (3d) to Babcock Bros., Winnebago, $5,335, $2,814 and $760 respectively; (1a) to Mankato Constr. Co., Mankato, $727; (2a) and (4a) to Enke Constr. Co., Lake Benton, $16,819 and $8,354 respectively. Noted April 6.

Minn., Owatonna—Steele Co., Job 2201, State Aid Plans 73-102, 66,500 cu.yd. excav., to J. Sampson, Faribault, $17,000; culverts to W. Weir & Co., Faribault, $4,838. Noted April 6.

Minn., Preston—Fillmore Co., 5 mi. Job 2201, State Rd. 1, 6 mi. Job 2202, State Rd. 3, and 7 mi. Job 2203, State Rd. 5, to G. W. Humphrey, Preston, $59,160. Noted March 23.

Minn., Red Lake Falls—Red Lake Co., Job 2201, State Rd. 65, Div. A, B and C, 137,311 cu.yd. excav., some gravel surfacing, two concrete bridges and culverts; excav., to Red Lake Constr. Co., Red Lake Falls, $.225 per cu.yd.; Job 2202, Federal Aid Project 275, 27,743 cu.yd. excav., one concrete bridge and culverts; excav., to P. W. Roark, Thief River Falls, $.24 per cu. yd.; bridges and culverts on both jobs, to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, $16,000. Noted March 23.

Minn., Rochester—Olmsted Co., Job 2107, 29,250 cu.yd. earth excav., 2,699 cu.yd. solid rock, 84,985 cu.yd. overhaul, Job 2201, 31,393 cu.yd. earth excav., 606 cu.yd. loose rock, 292 cu.yd. solid rock, 120,055 cu.yd. overhaul, to Nelson, Fulton & Nelson, 2508 Stevens Ave., Minneapolis; concrete and box culverts and Bridge 3746, to H. F. Garbisch, Austin, $1,000, $738 and $6,890 respectively; metal culverts, to Lyle Culvert & Road Equipment Co., 171 27th Ave. S. E., Minneapolis, $1,306; Bridge 3745, to F. Chase, Rochester, $5,442. Noted March 23.

Minn., Wheaton—Traverse Co., improving 5 mi. Job 2201, grading to B. Peyton, Collis, Minn., $9,405, culverts to Elk River Products Co., Elk River; 8 mi. Job 2202, grading to H. M. Nelson, Chokio, $9,248, culverts to North Dakota Metal Culvert Co., Fargo, N. D. Noted April 20.

Minn., Willmar—Kandiyohi Co., Job 2102, State Rd. 2, to M. Barrett, St. Cloud, $3,713; Job 2203, State Rd. 9, to Enke Constr. Co., Lake Benton, $14,849; Job 2205, State Rd. 6, to Olson & Carlson, 421 East Hennepin Ave, Minneapolis, $20,620; Job 2206, State Rd. 17, to Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $20,500; culverts to Elk River Concrete Culvert Co., Elk River, $8,607. Noted March 16.

Kan., Abilene—Dickinson Co. grading, paving and bridging 3.85 mi. Golden Belt Highway, Federal Aid Project 102, 18-30 ft., concrete, Sects. A and C, to List & Hallett Constr. Co., Ry. Exch. Bldg., Kansas City, Mo., $132,098; Sect. , to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $21,865. Noted March 16.

Kan., Chapman—Paving 7,700 sq.yd. various streets, brick, to Zielger & Dalton, Junction City, $2.95 per sq.yd., etc., total $28,303.

Kan., Girard—Crawford Co., 5.033 mi. Sect. A, Federal Aid Project 39, to Carterville Constr. Co., Carterville, Mo., $129,131; 7.799 mi. Sects. A, B, C and E, Federal Aid Project 40, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., $196,709; 3.33 mi. Sect. A, Federal Aid Project 66 and 2.015 mi. Sect. A, Crowberg Mulberry Branch, to Du Bois Constr. Co., Wellington, $94,053 and $53,541 respectively; 7.934 mi. Sects. B and C, Federal Aid Project 66, to Ziegler & Dalton, Junction City, $220,695; to Independent Constr. Co., Pittsburg, Bridge No. 1-A, on Sect. B, Crowberg Mulberry Branch, $1,291, Bridges Nos. 1 and 4, on Sect. D, Federal Aid Project 66, $3,631 and $3,771 respectively; to Maxwell Constr. Co., Columbus, Bridges Nos. 1-B and 1-C on Sect. B, Crowberg Mulberry Branch, $3,763 and $3,715 respectively, Bridge No. 3 on Sect. D, Federal Aid Project 66, $3,770; to Tri State Constr. Co., Baxter Springs, Bridge No. 2 on Sect. D, Federal Aid Project 66, $7,885. Noted April 13.

Kan., Kansas City—Wyandotte Co. concrete slab on 3.128 mi. Fort to Fort Highway, Sect. A, Federal Aid Project 52, to J. Stanton, 6th and Kiowa Sts., Leavenworth, 6 x 8 x 6 in. concrete slab $2.34 per sq.yd., etc., total $84,845.

Kan., Leavenworth — Leavenworth Co. concrete slab on 8.099 mi. Fort to Fort Highway, to J. Stanton & Son, Leavenworth, $221,393. Noted April 20.

Neb., Lincoln—Paving Dists. 435 and 437, to Abel Constr. Co., 3rd Floor Terminal Bldg., asphaltic concrete, $2.37, concrete, $2.15, curb $0.50, curb and gutter $0.82, total $11,456 and $15,172 respectively; repaving Dist. 75, to Roberts Constr. Co., 1st Natl. Bank Bldg., brick, $3.49, total $23,034.

S. D., DeSmet—Kingsbury Co., grading and building culverts on 14 mi. Black and Yellow Trail, between here and Iroquois, to L. E. Gage, Sioux Falls, $40,000.

Wyoming—State Hy. Dept., Cheyenne, gravel surfacing 9.8 mi. Federal Aid Project 82, in Torrington, Goshen Co., to Bagley Bros., Wheatland, $36,570. Noted April 27.

Mont., Glendive—Paving 1.5 mi. Merrill Ave., Bell and Benham Sts., concrete, to McGuire & Blakesley, Bozeman, $88,000. Noted April 27.

Missouri—State Hy. Dept. at div. office Versailles, 9½ mi. Versailles-Linn Creek Rd., State Aid Project 20,156, Morgan Co., to Scott Constr. Co., Kansas City, $31,900. Noted April 20.

Tex., Barstow—Ward Co. grading and surfacing 12.5 mi. State Highway 1, Federal Aid Project 263, to Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, $72,919. Noted April 27.

Tex., Corsicana—Paving 24,000 sq.yd. West 2nd Ave. from Beaton St. to city limits, brick with asphalt filler on macadam base, to Panhandle Constr. Co., Lubbock, $65,040.

Tex., Gainesville—Cooke Co. grading and gravel surfacing 8 mi. Valley View Dist. 2, to D. Ward, Itasca, $25,579 including 10% for engineering and contingencies. Gravel furnished by county.

Tex., Greenville—Hunt Co. surfacing and topping 12.6 mi. State Highway 42, to F. P. McElwrath, Corsicana, $48,859. Crushed stone and cover material furnished by county to cost $107,216. Noted April 20.

Washington—State Hy. Dept., Olympia, grading and paving 4.18 mi. Sunset Highway, Sunyslope to East Cashmere, Chelan Co., 2,640 ft. rein.-con. gutter, 20,350 cu.yd. earth and 1,200 cu.yd. rock excav., 46,720 sq.yd. rein.-con., 44,187 sq.yd. one course concrete, to McHugh Constr. Co., 523 3rd Ave., N., Seattle, $129,834; 3.71 mi. Olympic Highway, McCleary to Thurston Co. Line, Grays Harbor Co., 8,223 ft. rein.-con. gutter, 10,920 cu.yd. earth and 1,700 cu.yd. solid rock excav., 10,045 sq.yd. finished shoulders and ditches, 39,759 sq.yd. cement concrete, to Independent Asphalt Paving Co., Seaboard Bldg., Seattle, $118,558; 1.4 mi. North Bank Highway, Ellsworth to Camas, Clarke Co., 1,890 cu.yd. earth excav., 16,560 sq.yd. one course concrete, 18,100 sq.yd. pavement reinforcing No. 2, to G. T. Warren, 810 East Howell St., Seattle, $39,101; grading and crushed rock surfacing 5 mi. State Rd. 22, Davenport north, Lincoln Co., 42,450 cu.yd. earth and 26,630 cu.yd. loose and solid rock excav., 12,320 yd. overhaul, to Clifton, Applegate & Toole, Hutton Bldg., Spokane, $38,884; grading 4.92 mi. National Park Highway, Alder to Elbe, Pierce Co., 45,850 cu.yd. earth, 2,260 cu.yd. solid rock and 7,310 cu. yd. loose rock excav., to Schacht Constr. Co., Yakima, $48,867.

Wash., Centralia—Paving 23 blocks, Local Impvt. Dist. 54, 21,150 sq.yd. one course concrete, to J. C. Hendricks, Centralia, $68,893.

Wash., Yakima—Yakima Co. grading and paving 8 mi. Nob Hill-Ahtanum Rd., bitulithic on 4 in. concrete, to Yakima Paving Co., Yakima, $221,066.

Oregon—State Hy. Dept., Salem, paving 7 mi. Pacific Highway, bituminous, 16 ft., with 18 in. concrete shoulders, to A. D. Kern, Lumber Exch. Bldg., Portland, $183,000.

Streets and Roads (Continued)

California—State Hy. Dept., Sacramento, grading 9 mi. highway between western boundary and Upper Lake Lake Co. to Redmond-Page & Co., Balboa Bldg., San Francisco, $167,359; concrete paving 4.6 mi. highway between San Juan and Pajaro River, San Benito Co., to W. A. Dontanville, Hollister, $47,802. Noted April 20.

Cal., Richmond—To L. L. Page, 728 Bissel Ave., for 972 cu.yd. excav., 30,630 ft. 5 in. asphaltic concrete pavement, 2,322 ft. concrete curbs, 2,277 ft. concrete gutters, 8,235 ft. concrete sidewalks, $11,716; also improving streets in San Pablo Villa Tract, 7,500 cu.yd. excav., 133,670 ft. 4 in. 1 course asphaltic concrete pavement, sewers, etc., $48,843.

Cal., San Bruno — Improving various streets, 8,000 cu.yd. grading, 340,000 sq.ft. waterbound macadam with oil and screen surface, 828 ft. 12 in. vitr. sewers, etc., to Municipal Impvt. Co., 357 12th St., Oakland, $93,000.

Ont., Ottawa—See "Proposed Work."

Industrial Works

PROPOSED WORK

Me., Howland—Penobscot River Co., Bangor, plans 2 story, hydro electric generating plant, Rockabema River. $125,000. Architect not announced.

Conn., Springdale—Segal Metal Products Co., soon receives bids 1 story, 40 x 45 ft. brick and steel foundry extension, and 3 story, 30 x 120 ft. brick and timber machine shop. Lockwood-Green, 101 Park Ave., New York, archts.

N. Y., Buffalo—Cleveland Cold Drawn Steel Co., 503 Leader News Bldg., Cleveland, O., plans 1 story, brick and steel plant along tracks of South Buffalo R.R., here. $1,000,000. C. H. Hopkins, secy. and treas. Private plans.

N. Y., Buffalo—S. Dozeretz, 258 East Ferry St., plans garage with office, modern fireproof construction. $40,000. Architect not announced.

N. Y., Cohoes—**F.** Gilbert Paper Co., South Saratoga St., plans mill. $50,000.

N. Y., New York—City had plans prepared and soon takes bids 1 and 2 story, brick, steel and concrete repair shop, plain foundation, Ave. C and 16th St. $600,000. Private plans.

N. Y., New York — Thirty Sixth St. Garage Corp., c/o Block & Hesse, archts. and engrs., 186 41st St., soon lets contract 3 story, 75 x 100 ft. brick and concrete garage, plain foundation, 103 West 108th St. $150,000.

N. J., Hoboken—Fischer-Sweeny Bronze Co., 312 Adams St., soon takes bids 1 and 2 story, rein.-con., brick and steel foundry, plain foundation, on plot 100 x 200 ft., 13th and Grand Sts. $80,000. Lockwood-Green Co., 101 Park Ave., New York, archts. and engrs.

Pa., Phila.—H. H. Kline, archt., 1612 South 4th St., soon takes bids, 1 story, 83 x 160 ft. brick and steel garage, plain foundation, 7th and Spring Garden Sts. $50,000. Owner's name withheld.

W. Va., Ronceverte—Virginia Western Power Co., Clifton Forge, Va., having plans prepared for additions to plant, here. Cost including machinery and line extensions $500,000.

La., Lafayette—See "Waterworks."

La., Perryville (Ouachita P. O.)—J. A. Perry and C. E. McKerson, Monroe, plan to build carbon and gasoline extraction plant, here. $250,000 capital stock.

La., Plaquemine—See "Waterworks."

La., Shrewsbury—Armour & Co. plans to rebuild phosphate and fertilizer plant recently destroyed by fire. Loss $200,000. W. E. Turner, Carondelet Bldg., Gravier and Carondelet Sts., New Orleans, div. mgr.

Ind., Ft. Wayne—Craig Biscuit Co., 115 Montgomery St., having plans prepared by McCormick Co., Inc., archts. and engrs., 41 Park Row, New York, 4 story, rein.-con., brick and steel factory, plain foundation.

Ind., South Bend—Studebaker Corp., Main and Bronson Sts., plans 4 story, 76 x 620 ft., shipping and storage plant, concrete. $175,000. Architect not selected.

Wis., Jefferson—Prabst Bros., c/o E. Prabst, plan 2 story, 50 x 110 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Racine St. $50,000. Architect not selected.

Minn., Detroit—City having plans prepared by L. P. Wolff, engr., 1001 Guardian Life Bldg., St. Paul, enlarging power plant. $40,000. E. J. Bestick, clk.

Wyo., Laramie—J. W. Dillon and J. H. Rousch of Columbus, O., and Laramie, plan glass factory, here. $180,000.

Mo., Paris—Plans to issue $75,000 bonds for electric power plant and lighting system. W. B. Rollins & Co., 209 Ry. Exch. Bldg., Kansas City, engrs.

California—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, having plans prepared for sub-stations at Turlock, Riverbank, O'Banion Corners and Hughson. $75,000 each. Private plans.

Cal., Gilroy—A. Ellis having plans prepared by W. H. Weeks, archt., 369 Pine St., San Francisco, 1 story, rein.-con. garage. $40,000.

Cal., San Diego—C. S. Hardy, 711 5th St., plans to improve packing plant, including new cooling room, cutting room, loading dock with steel canopy, new side tracks and necessary accessories. $100,000.

Cal., San Jose—Temple & Syer, c/o Wolfe & Higgins, archts., Auzerais Bldg., having plans prepared 2 story, 96 x 137 ft., rein.-con. garage, 2nd St.

Cal., Vallejo—Western Die Casting Co., 2927 Newbury St., Berkeley, plans plant, here. $45,000.

N. S., Windsor—Avon Power Co. soon takes bids power plant on Avon River, to develop 3,000 h.p., incl. canal 2,000 ft. long, 16 ft. deep, concrete dam, etc. $250,000. Address R. A. Jodrey, Wolfville, or T. B. Akin, Windsor.

Ont., London—See "Buildings."

Ont., St. Williams—McCall Bros. plan to rebuild to equip factory partially destroyed by fire. $80,000. Private plans.

BIDS DESIRED

N. H., Laconia—Pitman Mfg. Co., Laconia, receiving bids 3 story, 65 x 100 ft., brick and steel dyehouse. $60,000. Lockwood, Green & Co., 60 Federal St., Boston, archts. and engrs. Noted April 20.

N. Y., New York—L. Gold, 2 Rector St., will build 1 story, brick and concrete garage, plain foundation, Columbus Ave. between 204th and 205th Sts. $175,000. Work will be done by separate contracts. Private plans.

N. J., Atlantic City—Philadelphia & Reading R.R., Reading Terminal Sta., Phila., taking bids 2 story, 100 x 157 ft., rein.-con. and brick, warehouse, plain foundation, Baltimore and Delaware Ave., here. C. Dillenback, Reading Terminal Sta., Phila., archt.

Pa., Phila.—May 15, by Ballinger & Co., archts., 12th and Chestnut Sts., 4 story, 80 x 250 ft., rein.-con. and brick warehouse, plain foundation, Margaret and James Sts., for Blumenthal Bros., Margaret and James Sts. Noted May 4.

Pa., Phila.—Magaziner, Eberhard & Richards, archts., 603 Chestnut St., receiving bids 8 story, 50 x 102 ft. rein.-con. and brick factory, plain foundation, 121-125 North 8th St., for L. Lavenson & Son, 237 North 6th St.

Pa., Phila.—E. G. Perrott, archt., Boyertown Bldg., taking bids 8 story, 80 x 96 ft., brick, rein.-con. and steel factory, plain foundation, for J. J. McLaughlin, 11th and Wood Sts.

Pa., Phila.—May 15, by L. B. Rothschild, archt., 1225 Sansom St., 6 story, 111 x 170 x 230 ft., brick and steel warehouse, plain foundation, Glenwood Ave. and Oxford St., for H. C. Kahn, 11th and Filbert Sts. $500,000.

O., East Cleveland (Cleveland P. O.)—See "Buildings."

O., Youngstown—May 15, by C. B. Comstock, archt. and engr., 110 West 40th St., New York, 4 story, 71 x 168 ft. bakery, rein.-con., Mahoning Ave., here, for Ward Baking Co., Southern Blvd. and St. Marys St., New York. $150,000. Noted April 6.

Ill., Chicago—R. F. France, archt., 155 North Clark St., receiving bids 1 story, 100 x 200 ft. garage, rein.-con., brick and steel, 2470-78 North Clark St., for K. R. Peak, c/o architect. $50,000.

Ill., Chicago—Newhouse & Bernham, archts., 4630 Prairie Ave., receiving bids 1 and 2 story, 140 x 303 ft. garage, rein.-con., brick and steel, Fair Oaks Ave. and Bway., for E. Bain and L. A. Wolf, c/o architects. $80,000.

Wis., Wausau—D. J. Murray Mfg. Co. and E. C. Hall, engr., 221 Grand Ave., receiving bids and opens same about May 15, 1 story, 62 x 228 ft., brick and steel addition to machine shop, plain foundation.

Minn., Cloquet—May 15 by C. I. McNair, mgr. Northern Lumber Co., 2 story, 125 x 260 ft. planing mill, rein.-con. and steel, $50,000. C. A. Moffat, Baltimore, Md., archt. and engr.

CONTRACTS AWARDED

Me., Skowhegan—Maine Spinning Co., 3 story, 84 x 200 ft., brick and steel addition to plant, plain foundation, to O. Nelson Co., 194 Exchange St., Bangor. $200,000. Noted March 9.

Mass., Clinton—Bigelow-Hartford Carpet Co., 58 Main St., Thompsonville, Conn., 1 story, 100 x 275 ft. dyehouse and 4 story, 100 x 114 ft. headhouse, brick and steel, here, to L. E. Locke & Sons, Bay State Bldg., South Union St., Lawrence, Mass. $250,000. Noted May 4.

Mass., North Dighton—Mt. Hope Finishing Co., North Dighton, 1 story, 115 x 300 ft. calender building; 1 story, 50 x 150 ft. soap house; 1 story, 50 x 150 ft. chemical laboratory; 1 story, 40 x 155 ft. dairy; all brick and steel, plain foundations, also 4 steel storage houses, to Casper Ranger Constr. Co., 20 Bond St., Holyoke, $300,000. Noted April 6.

Mass., Springfield—S. J. Cordner, 22 Taylor St., 1 story, 60 x 220 ft. garage, brick and concrete, plain foundation, to E. F. Carlson Co., 244 Main St., $55,000.

Mass., Springfield—Westinghouse Electric & Mfg. Co., Page Blvd., will build 1 story, 80 x 520 ft., concrete addition to factory, by day labor. $100,000.

R. I., Providence—Jenks & Ballou, archts. and engrs., 10 Weybosset St., 4 story, 42 x 164 ft., office building with 42 x 70 ft. wing, 3 story, 101 x 223 ft. light storage building and 1 story, 120 x 223 ft. heavy storage building, all foregoing brick and timber; 1 and 2 story, 45 x 56 power house, 1 story, 28 x 93 ft. and 1 story, 17 x 22 ft. oil houses, 2 story, 10 x 17 ft. gate house, all brick and concrete; also 1 and 2 story, 115 x 173 ft. rein.-con. garage, to F. T. Ley & Co., Inc., 499 Main St, Springfield, Mass., for Narragansett Electric Light Co., Turks Head Bldg., $600,000-$650,000. Noted April 20.

Conn., Hamden (New Haven P. O.)—Natl. Filter Cloth & Weaving Co., 57 Hope St., Brooklyn, N. Y., 1 story, 70 x 192 ft. brick and steel factory, with small office and laboratory buildings, Dixwell Ave. and Mather St., to Sperry Eng. Co., 82 Church St., New Haven. $60,000. Noted March 9.

Conn., Hartford—Fuller Brush Co., 547 Asylum St., 4 story, 80 x 400 ft. and 80 x 100 ft. brick and steel factory, plain foundation, also 120 ton coal pocket, to R. G. Bent Co., 183 Ann St., $500,000. Noted March 30.

Conn., Norwalk—C. H. Harris, Inc., Main St., 1 story, brick and steel addition to plant, plain foundation, 15,000 sq.ft. floor space, Main St., to Hewlett Co., 886 Main St., Bridgeport. $40,000. Noted June 3.

Conn., Stafford Springs — C. Johnson Woolen Co., Furnace Ave., 1 story, 140 x 240 ft. and 89 x 140 ft. brick and steel addition to plant, to F. T. Ley & Co., Inc., 499 Main St., Springfield, Mass., $100,000. Noted May 4.

N. Y., Albany—Grasselli Chemical Co., 347 Madison Ave., New York, 1 story, 80 x 136 ft., wood pile warehouse, wood pile foundation here, to Barney-Ahlers Constr Corp., 110 West 40th St., New York, $50,000.

N. Y., Brooklyn—W. R. Noe, 42 East 10th St., New York, 3 story, 100 x 100 ft., rein.-con. factory, plain foundation, Willoughby Ave. and Raymond St., here, to Barney-Ahlers Constr. Corp., 110 West 40th St., New York, $100,000.

N. Y., Buffalo—Auto Knitter Hosiery Co., 630-632 Genesee St., factory, warehouse and office building, to J. Brand, 22 A St. To exceed $40,000.

N. Y., New York—See "Buildings."

N. Y., New York—T. F. T. Realty Co., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., Brooklyn, 1 story, brick, steel and stone garage, plain foundation, East 3rd St., here, by day labor. $75,000.

N. Y., Jamaica—A. H. Grebe, Van Wyck Ave., 3 story, 80 x 100 ft., rein.-con. factory, plain foundation, to Barney-Ahlers Constr. Corp., 110 West 40th St., New York, $100,000.

Industrial Works (Continued)

N. Y., Long Island City—Film Storage & Forwarding Co., 37 West 39th St., New York, rein.-con. and steel warehouse, plain foundation, Harris and Van Alts Aves., here, to Wharton-Green & Co., Inc., 37 West 39th St., New York, $175,000.

N. J., Trenton — McCrillish-Quigley Co., State St., 3 story, 60 x 100 ft., rein.-con. printing plant, plain foundation, Wood St., to Barney-Ahlers Constr. Corp., 110 West 40th St., New York, $75,000.

Pa., Lewistown — Viscose Co., Marcus Hook, 1 story manufacturing buildings, rein.-con., brick and steel, plain foundations, here, to Ballinger Co., 12th and Chestnut Sts., Phila., $1,500,000.

Pa., Phila.—Roosevelt Worsted Co., 1 and 2 story factories, rein.-con. and brick, plain foundations, 20th and Naudain Sts., to Potts Bros. & Cooperson, 129 North 11th St., $95,000.

Pa., Phila.—Shingle Leather Co., 413 Race St., factory, 54th and Grey Aves., to Bowden Constr. Co., 1935 Chestnut St., $50,000.

Tenn., Nashville—Union Ice Cream Co., Broad St., 3 story, rein.-con. and brick, 12th and Broad Sts., to Gould Constr. Co., Independent Life Bldg., $200,000. Noted April 13.

O., Cleveland—C. J. Pfeil Co., 1976 West 3rd St., 2 story, 33 x 50 ft., brick and timber factory addition, plain foundation, to W. Page, Grayton Rd., $40,000.

O., Toledo—J. Ryan, 1 story, 100 x 100 ft., rein.-con. brick and steel garage and store, concrete pile foundation, 20th and Adams Sts., to A. Bentley & Sons Co., 201-31 Belmont Ave.

Ind., Indianapolis—C. E. Panley & Co., 112 East Maryland St., 5 story, 95 x 135 ft. printing plant, brick and concrete, North New Jersey St., to Thompson & Binger Co., Pythian Bldg., cost plus percentage basis.

Mich., Detroit—Wolverine Storage Co., 210 Holden Bldg., 8 story, rein.-con. and brick storage warehouse, Jefferson Ave., to O. Misch Co., 1212 Griswold St., $350,000. Noted Oct. 13.

Ill., Chicago—C. D. Paschong, 6445 South Sangamon St., 1 story, 110 x 150 ft. garage, rein.-con., brick and steel, Calumet Ave. and 63rd St., to Turnquist Constr. Co., 217 East 69th Pl., $70,000.

Wis., Eau Claire—J. Everson, 311 West Madison St., 1 story, 50 x 65 ft., brick, rein.-con. and steel, garage and repair shop, plain foundation, to Hoeppner Bartlett Co., 414 Grand Ave., $40,000.

Wis., Kenosha—Krisor Bros., 772 Milwaukee Ave., 1 story, 60 x 110 ft., brick and concrete garage, plain foundation, to J. C. Tully, 633 Pomeroy St., and G. Lindermann, 237 Lake Ave. Noted April 20.

Wis., Manitowoc—A. Fischl Dairy Co., 1421 Marshall St., 2 story, 28 x 110 ft., ice cream and dairy factory, brick, rein.-con. and steel, to E. R. Herman, 1231 South 10th St., $50,000.

Wis., Manitowoc — Hammacheck-Bleser Co., 11th and Franklin Sts., 1 story, 50 x 139 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to E. R. Herman, 1231 South 10th St., $50,000.

Wis., Manitowoc—K. O. Muehlberg Co., 209 North 9th St., 2 story, 35 x 70 ft., brick, rein.-con. and steel, machine shop, plain foundation, to F. Drum, 710 South 15th St., $45,000.

Wis., Marshfield—Blum Bros. Box Co., 135 West 9th St., 1 and 2 story, 90 x 120 ft., brick, rein.-con. and steel factory, plain foundation, Main St., to Krasin Bros., Marshfield. $100,000.

Mo., Hannibal—C. McDonald, Tulsa, Okla., 4 story, 50 x 150 ft. shoe factory, concrete, brick and stone, here, to Universal Constr. Co., Tulsa, Okla., $50,000.

Cal., Oakland—Magnovox Co., 2725 East 14th St., 2 story, 60 x 200 ft., rein.-con. and brick factory, East 14th St., to Lawton & Vezey, Call Bldg., San Francisco, percentage basis; about $60,000. Noted May 4.

Cal., Richmond—Santa Fe Fdry. Co., D and Clinton Sts., 1 and 3 story frame additions to plant, to P. M. Sanford, c/o Builders Exchange, $100,000.

Cal., San Francisco—W. P. Fuller & Co., Beale and Mission Sts., 5 story, brick and concrete warehouse, Mission and Beale Sts., to R. McLeran & Co., Hearst Bldg., $314,-700. Noted Jan. 19.

Cal., Stockton—F. A. McCan, c/o Davis-Heller-Pearce, archts., Delta Bldg., 2 story, 75 x 100 ft., rein.-con., California St., to Davis-Heller-Pearce, Delta Bldg., $50,000.

Number of Contracts Let in January, February and March, 1922

	New England	Middle Atlantic	Southern	Middle West	West of Mississippi	Western	Total
Waterworks	2	12	5	13	37	8	77
Sewers	1	38	13	50	16	8	126
Bridges	4	8	18	10	27	7	74
Excav. and dredging	1	2	2	5	10	3	23
Streets and roads	19	86	103	197	150	82	637
Industrial works	40	54	14	70	22	17	217
Buildings	29	134	30	151	72	53	469
Fed. Govt. work	4	13	15	1	.....	15	48
Miscellaneous	4	51	5	9	10	19	98
	104	398	205	506	344	212	1,769

Buildings

PROPOSED WORK

Mass., Adams—High School—Town having sketches made by F. I. Cooper Corp., archts., 33 Cornhill, Boston, 3 story, brick. $300,000. C. T. Plunkett, chn. com.

Mass., Springfield—Store and Business—Trinity Church Corp., 37 Edwards St., plans 3 story, 115 x 130 ft. brick and concrete, Bridge St. $150,000.

Mass., Worcester — School — Bancroft School, 111 Elm St. plans 2 story, brick, frame and stucco, Seaver and Roxbury Sts. $150,000. Andrews, Rantoul & Jones, 50 Congress St., Boston, archts.

N. Y., Buffalo — Exhibition — Buffalo Stock Yards, et. al., plan 223 x 312 ft. modern construction, 5,000 seating capacity, William and Newell Sts. $250,000. Architect not selected.

N. Y., Buffalo — Lodge — Buffalo Lodge B.P.O.E. plans 10 story, Delaware Ave., $350,000. First section 2 story, 50 x 120 ft. (portion of above) will be constructed immediately, $110,000. Architect not announced.

N. Y., Corning—Hotel—R. T. Sansbury plans modern hotel, Market and Walnut Sts. To exceed $200,000. Architect not selected.

N. Y., Cortland—High School—May 23, to vote on $350,000 bonds for new high school. J. R. French, city clk.

N. Y., Gardenville—School—Bd. Educ. plans modern fireproof school. $150,000. C. Galley, trustee. Architect not announced.

N. Y., Glens Falls—School—Bd. Educ. having plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York, brick, steel and stone, plain foundation. $250,000.

N. Y., Jamestown—High Schools—Bd. Educ. plans North Side Junior High School, Buffalo St., $395,000, and South Side Junior High School 2, Highland Ave., $330,000, brick and steel. Guilbert & Betelle, 546 Broad St., Newark, N. J., archts.

N. Y., New York—Bank—Mechanics Metal Natl. Bank, 32 Nassau St., plans brick and stone, 143 West 57th St. Delano & Aldrich, 126 East 38th St., archts. and engrs.

N. Y., New York—Church, etc.—St. Marks Church, 235 East 53rd St., soon takes bids 3 story, brick and stone, plain foundation, St. Nicholas Ave. and 137th St. $300,000. Sibley & Featherstone, 101 Park Ave., archts. R. D. Kimball, 15 West 38th St., engr. Noted Nov. 17.

N. Y., New York—Hospital—F. Y. Joannes, archt. and engr., 16 East 40th St., soon lets contract brick and stone. Dyckman St., for Bronx Jewish Memorial Hospital. $150,000. Noted Nov. 24.

N. Y., New York—Hotel—Shelton Holding Corp., 25 West 43rd St., having plans prepared by A. L. Harmon, archt. and engr., 27 East 40th St., 30 story, brick, steel and stone, plain foundation, Lexington Ave. between 48th and 49th Sts. $4,000,000.

N. Y., New York—Music Temple—E. C. Horn, archt. and engr., 1476 Bway., making sketches for about 30 story, brick, steel and stone, plain foundation, 7th Ave. between Bway. and 37th Sts. $15,000,000. Owner's name withheld.

N. Y., New York—Temple—Mecca Temple A. A. N. O. M. S., 105 West 45th St., soon takes bids 10 story, brick, steel and stone, plain foundation, West 55th St. $1,-000,000. H. P. Knowles, 21 West 49th St., archt. and engr.

N. Y., North Tonawanda—Schools—Defeated $300,000 bonds for additions to Gratwick and Colonel Payne Schools. C. F. Drewes, mayor. This corrects report in May 4 issue.

N. Y., Olean—Schools—Bd. Educ. had plans prepared by A. W. E. Schoenberg, archt., 101 North Union St., for Main St. School, $190,000, West Sullivan St. School, $137,000, West State St. School, $78,000; addition to P. S. 4, $75,000, High School addition, $27,500. W. C. Greenawalt, supt. Noted May 4.

N. Y., Palmyra—School—Bd. Educ. having plans prepared by Tooker & Marsh, archts., 101 Park Ave., New York, new school. $250,000.

N. Y., Potsdam — Hospital — Building Comn. of Potsdam Hospital, plans new hospital. $175,000-$200,000. F. L. Dewey, Pres.

N. Y., St. Johnsville—School—Bd. Educ. plans new 12 or 16 room school. To exceed $250,000. F. J. Kornburst, village pres.

N. Y., Saranac Lake—School—St. Bernards Roman Catholic Parish plans new school. $175,000-$200,000.

N. Y., Scotia—High School—Bd. Educ. plans High School 2. $200,000. H. Poll, village clk.

N. Y., Syracuse — Clubhouse — Syracuse Aerie, 53-F. O. E. having plans prepared by J. D. Meehan, archt. and engr., Everson Bldg., 4 story, 82 x 132 ft., North Clinton St. $250,000.

N. Y., Syracuse—Office—L. Leiter, 333 South Salina St., having plans prepared by M. L. King, archt. and engr., Snow Bldg., 4 story, 66 x 132 ft., South Warren St. $250,000.

N. J., Atlantic City—Apartment—H. H. Kline, archt., 1612 South 4th St., Phila., preparing plans and soon takes bids 3 story, 50 x 100 ft., brick and steel, plain foundation, here. $180,000. Owner's name wtihheld.

N. J., Jersey City—School—Bd. Educ. soon takes bids 3 story, brick, steel and stone, plain foundation, Erie St. $500,000. J. T. Rowland, 100 Sip Ave., archt. and engr.

N. J., Jersey City—Y.M.C.A., 2 West 45th St., New York, plans 5 story, brick, steel and stone, plain foundation, here. $500,000. Architect and engineer not selected.

Pa., Monaco—School—Bd. Educ. having plans prepared by W. G. Eckles, archt., New Castle, 2 story, 125 x 135 ft. brick. $150,000.

Pa., Oil City—Temple—Masonic Bldg. Assn. plans temple. Cost to exceed $150,-000. Architect not selected.

Buildings (Continued)

Pa., Phila.—Clubhouse—B.P.O.E. 2, c/o F. H. Buhler, 1214 Market St., receiving competitive sketches until June 15, for clubhouse, Broad and Wood St. $500,000. Noted Nov. 17.

Pa., Phila.—Home—Masonic Home, c/o Ballinger Co., archts., 12th and Chestnut Sts., plans 3 story, 160 x 180 ft. brick and steel, plain foundation, Broad and Ontario Sts. $200,000.

Pa., Phila.—Loft—C. Wunder, archt., 1525 Chestnut St., takes bids May 15, 9 story, 85 x 149 ft, rein.-con. and brick, plain foundation, Randolph and Vine Sts., for J. Boeckel, c/o architect. $250,000.

Pa., Sharon—School—City plans to vote on $440,000 bonds for school, State St. and Case Ave. Architect not announced.

D. C., Wash.—Auditorium—Washington Auditorium Bldg. Comn., c/o R. N. Harper, chn., 1406 G St. N. W., having plans prepared by Milburn, Heister & Co., archts., Union Savings Bank Bldg., for auditorium, steel frame, fireproof construction, seating capacity 5,000, 19th St. between E St. and New York Ave. $750,000.

La., Gretna—School—Jefferson Parish School Bd. election June 6, to vote on $400,000 bonds for erecting schools.

La., New Orleans—Hotel—Monteleone Hotel Co., on square bounded by Exch. Alley, Iberville, Royal and Bienville Sts., purchased Old Citizens Bank Bldg. and site, and plans to build annex to present hotel. J. E. Kenny, mgr.

Tenn., Memphis—Club and Office—Al Chymia Temple of Mystic Shrine, South 2nd St., having plans prepared by Jones & Furbringer, archts., Porter Bldg., and Hanker & Cairns, associated archts., Madison Ave. Bldg., 10 story, 50 x 150 ft., concrete and steel, Front and Monroe Sts. $500,000. Noted March 9.

Ky., Lexington—Store and Office—S. A. Glass, Vine and Spring Sts., and others, plan to build 61 x 247 ft., East Main St., to replace one destroyed by fire. To exceed $200,000. Architect not selected.

Ky., Louisville — Temple — Scottish Rite Masons plan temple, 3rd St. $5,000,000. R. D. Diezman, member building com.

O., Cleveland—Apartment—S. Krauss, 2265 East 71st St., having plans prepared by M. Altschult, archt., 5116 Woodland Ave., 3 story, 51 x 118 ft., brick and timber, plain foundation, East 77th St. near Carnegie Ave. $150,000.

O., Cleveland—Apartment—Park Lane Realty Co., c/o N. Weltman, 3320 Ormond Rd., having plans prepared by R. H. Hinsdale, archt., Bangor Bldg., 6 story, 150 x 180 ft., brick, steel and concrete, plain foundation, East 105th St. and Park Lane. $1,500,000.

O., Cleveland—Bank and Office—Cleveland Trust Co., East 9th St. and Euclid Ave., and A. G. Hall, archt., 734 Williamson Bldg., soon lets contract 2 story, 65 x 150 ft., brick, steel and concrete, East 55th St. and Woodland Ave. $150,000. Noted April 13.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., had plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 3 story, 40 room, brick, steel and concrete addition, plain foundation, West 93rd St. and Willard Ave. $910,000. Noted Nov. 3.

O., Cleveland—Parcel Post Station—G. Keller of Keller Kohn Co., 2230 Superior Ave., plans 6 story, brick and steel, 131 West St. Clair Ave. $200,000. Architect not selected.

O., Dayton—Hotel—J. F. Gibbons, Gibbons Hotel, plans 20 story, 98 x 165 ft., brick, steel and concrete, 3rd and Main Sts. $3,000,000. Architect not selected.

O., East Cleveland (Cleveland P. O.)—Apartment—L. Duchon, 3045 Essex Rd., having plans prepared ten 3 story, 44 x 86 ft., brick and timber, plain foundations, Taylorhurst allotment. $250,000. Private plans.

Ind., Ft. Wayne—Office—Lincoln Life Insurance Co., Lincoln Life Bldg., had plans prepared by B. W. Morris, archt., 101 Park Ave., New York, 12 story, 275 x 330 ft., brick, steel and stone, plain foundation, Harrison Ave. $2,000,000.—H. G. Balcom, 16 East 47th St., New York, engr.

Ind., Gary—Church—Methodist Episcopal Church, plans 2 story, 160 x 240 ft., stone, 6th St. $650,000. W. G. Seaman, pastor. Architect not selected.

Ind., Goshen—High School—Bd. Educ. having revised plans prepared by A. H. Elwood & Son, archts., Haynes Bldg., Elkhart, 2 story, 104 x 130 ft., brick. $250,000. Noted Dec. 15.

Ind., Laporte—Theatre—Laporte Theatre Co. plans 3 story, brick. $225,000. A. Sommerfield, pres. Architect not selected.

Mich., Highland Park (Detroit P. O.)—Apartment—R. L. Brown, 126 Highland Ave., having plans prepared by H. J. Farwell, archt., 190 Massachusetts Ave., 4 story, U-shaped brick, steel and rein.-con., Highland Ave. $250,000.

Ill., Chicago—Apartment—J. J. Jensen, archt., 4815 North Lawndale Ave., soon receives bids 3 story, 150 x 160 ft., rein.-con., brick and steel, Irving Park Blvd. and Lowell Ave., for G. P. Marshall, 3203 Lawrence Ave. $250,000.

Ill., Chicago—Apartment—Loewenberg & Loewenberg, archts., 111 West Monroe St., soon receive bids 8 story, 150 x 150 ft., rein.-con., brick and steel, 2418-2428 Pine Grove Ave., for Edelson & Paullin, c/o architects. $1,000,000.

Ill., Chicago—Apartment—Loewenberg & Loewenberg, archts., 111 West Monroe St., soon receive bids 3 story, 125 x 130 ft., rein.-con., brick and steel, Drake Ave. and Ainslee St., for Handelsman Bros., c/o architects. $150,000.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., soon receives bids 3 story, 100 x 179 ft., rein.-con., brick and steel, Pratt Blvd. near Ashland Ave., for J. Frohman, c/o architect. $350,000.

Ill., Chicago—Apartment—Rebori, Dewey & Wentworth, archts., 410 South Michigan Ave., preparing plans 6 story, 90 x 149 ft., rein.-con., brick and steel, Dearborn and Schiller St., for A. D. Dewey and J. Wentworth, c/o architects. $300,000.

Ill., Chicago — Clubhouse — Knights of Columbus, Lafayette Council 361, North and Western Aves., plan 5 story, 114 x 265 ft., rein.-con., brick and steel, Fairfield and Washtenaw Ave. $500,000. Architect not selected.

Ill., Chicago — Office — Methodist Book Concern, Superior and Rush Sts., plans 6 or 10 story, 125 x 200 ft., rein.-con., brick and steel, Superior St. and Fairbanks Ct. $700,000. Architect not selected.

Wis., Madison—Office—Madison Gas & Electric Co., 120 East Main St., plans 4 or 5 story, 60 x 200 ft., brick, rein.-con. and steel. $150,000. J. St. John, genl. mgr. Architect not selected.

Wis., Madison — Sanitarium — Bethel Lutheran Church, c/o O. G. Silijan, pastor, Butler and Hamilton Sts., plans 2 story, 75 x 150 ft., brick, rein.-con. and steel, plain foundation. $160,000. Architect not selected.

Wis., Manitowoc — High School — Bd. Educ. sold $350,000 bonds and soon takes bids 3 story, 240 x 419 ft., brick, steel and rein.-con., plain foundation. Perkins-Fellow-Hamilton, 814 Tower Court, Chicago, archts. Noted March 30.

Wis., Milwaukee—Apartment—Vendome Realty Co., c/o Voelz & Siebert, archts., 86 Michigan St., preparing plans 3 story, 128 x 150 ft., brick and concrete, plain foundation, Grand Ave. $150,000.

Wis., Milwaukee—Club—Columbia Lodge 11, Knights of Pythias, c/o W. F. Thomas, 1033 1st St., having plans prepared by R. A. Messmer & Bros., archts., 221 Grand Ave., 3 story, 62 x 112 ft., brick and concrete, plain foundation, North Ave. $150,000.

Wis., Milwaukee — Home — Protestant Home for Aged, Lake Dr. and Downer Ave., plans 3 story, brick and concrete, plain foundation, Lake Dr. $150,000. Architect not selected.

Wis., Shorewood (Milwaukee P. O.)—High School—School Dist. 4, having plans prepared by Herbst & Kuenzli, archts., 114 Grand Ave., 3 story, brick, concrete and tile, plain foundation, Atwater Rd. $250,000. Noted March 16.

Wis., Stevens Point—High School—Bd. Educ. rejected bids opened April 21, 3 story, 60 x 160 ft., brick, tile and concrete, plain foundation. $150,000. Will revise plans and readvertise. R. A. Messmer & Bros., 221 Grand Ave., Milwaukee, archts. Noted April 13.

Minn., Carlton—Court House—J. Wright, chn. Carlton Co. Bd., having plans prepared by Kelly & Shefchik, archts. and engrs., 507 Lonsdale Bldg., Duluth, and receives bids about June 1, 3 story, 75 x 125 ft., rein.-con., brick and steel, here. $200,000. Noted April 13.

Minn., Duluth—Club—Knights of Columbus, 224 West 1st St., having plans prepared by Holstead & Sullivan, archts. and engrs., 407 Palladio Bldg., and opens bids about June 15, 7 story, 100 x 140 ft., rein.-con., brick and steel, 2nd St. and 2nd Ave. W. $250,000. G. R. Rolin, chn. building com.

Minn., Virginia—City Hall—Having plans prepared by German & Jenssen, archts. and engrs., Exch. Bldg., Duluth, 3 story, 100 x 280 ft., rein.-con., stone and tile, $400,000.

Tex., Amarillo — Hospital — Potter Co. voted $250,000 bonds for hospital, Attorney Generals Dept., Austin, approved same. R. C. Johnson, co. judge.

Wash., Seattle—Apartment—Real Estate Improvement Co., 815 2nd Ave., soon receives bids 8 story, 120 x 128 ft., rein.-con., 9th Ave. and Union St. $825,000. S. D. Ford, Lyon Bldg., archt.

Cal., Berkeley—Church—Thousand Oaks Baptist Church, c/o J. Morgan, archt., Merchants Exch. Bldg., San Francisco, having plans prepared for first unit of church, San Pablo and Colusa Sts., $50,000. Total to exceed $150,000.

Cal., Fresno — Courthouse — Fresno Co. having preliminary plans prepared by Coates & Traver, Rowell Bldg., E. Matheweson, cory Bldg., and Glass & Butner, Cory Bldg., archts., 4 story addition to courthouse.

Cal., Fresno—Office—San Joaquin Light and Power Co., 1801 Tulare St., plans 10 story, fireproof, J and Tuolumne Sts. A. E. Wishon, genl. mgr. and purch. agt.

Cal., Oakland—Office—F. H. Proctor, N. de Vaux, and A. Breed, c/o M. I. Diggs, Easton Bldg., archt. and supt. construction, having plans prepared 18 story, rein.-con. and steel, 16th and Telegraph Sts. $1,200,000.

Cal., San Diego—Office and Theatre—B. M. Priteca, Pantages Bldg., Seattle, preparing plans 7 story, 150 x 200 ft., rein.-con., B, 5th and 6th Sts., here. $925,000. Owner's name withheld. A. Pantages, lessee.

Cal., San Francisco—Apartment—C. A. Meussdorffer, archt., Humboldt Bank Bldg., preparing plans 11 story, rein.-con., Southwest Greenwich and Hyde Sts. $175,000. Owners name withheld.

Cal., San Francisco—Hotel—Somerton Investment Co., 440 Geary St., plans addition, $150,000. Architect not selected.

Cal., San Francisco—Office—Pacific Gas and Electric Co., 445 Sutter St., plans office building on 137 x 137 ft. site, South East Market and Beale Sts. $1,250,000. Bakewell & Brown, 251 Kearny St., archts. Noted April 20.

Cal., San Francisco—Store and Club—Elks Club, 540 Powell St., plans 7-10 story, Post St. between Powell and Mason Sts. $1,000,000. Architect not selected.

Cal., Santa Clara—Junior Hall and Science Hall—University of Santa Clara raising funds building rein.-con., University grounds. $450,000. J. J. Donovan, Pacific Bldg., Oakland, archt.

Cal., Santa Rosa—High School—Plans election to vote on $300,000 bonds to purchase site and erect school.

Cal., Santa Rosa—Lodge—Santa Rosa Lodge of Elks having plans prepared by Shea & Shea, archts., Chronicle Bldg., San Francisco, 3 story, rein.-con., A St. between 4th and 5th Sts. $250,000. Noted Jan. 12.

Cal., Stockton — Auditorium — Plans municipal memorial auditorium, on block bounded by Fremont, Commerce, Center and Oak Sts. $600,000 bonds voted. A. L. Banks, clk.

N. B., St. John—School—Having plans prepared by F. N. Brodie, archt., St. Johns, 2 story, 130 x 142 ft. brick. $185,000.

Que., Montreal—Hotel—D. J. Spence, archt., 246 Beaver Hall Hill, preparing plans 10 story, comprising main building and 2 wings, near Windsor Sta. Company will be formed to finance project. $5,000,000.

Ont., London—Bath Houses, etc.—London Health Resorts Ltd., having plans prepared by W. G. Murray, archt., Dominion Savings Bldg., first unit of buildings for health resort incl. 125 x 165 ft. frame and stucco bath houses, concrete swimming pools, steam heating plant and plant for clarifying water. $400,000.

Buildings (Continued)

BIDS DESIRED

Mass., Pittsfield—Bank—June 1, by Berkshire Loan & Trust Co., 24 North St., 1 story, brick, stone and marble, plain foundation. $175,000. Holmes & Winslow, 134 East 44th St., New York, archts. and engrs. Noted April 13.

Conn., Bridgeport—Bank—May 17, by Commercial Bank & Trust Co., 1334 Main St., 1 story, brick, stone and marble, plain foundation, Main St. $150,000. A. Hopkins, 101 Park Ave., New York, archt. Noted Aug. 25.

Conn., Bridgeport—School and Convent—J. A. Jackson, archt., 185 Church St., New Haven, receiving bids 3 story, 80 x 120 ft. brick, stone and steel school, and 2 story, brick and timber convent, Union Ave., for Church of the Sacred Heart, 275 Union Ave. $175,000. Noted Feb. 9.

Conn., Hartford—High School—High School Plant and Building Comn., 3 story, rein.-con., brick and steel, Greenfield and Ridgefield Sts., to H. Wales Lines Co., 134 State St., Meriden. $1,195,484. Noted April 27.

Conn., Newington—Home—May 22, by J. H. Trumbull, chn. building com. Connecticut Children's Aid Society, 904 Main St., Hartford, 3 story, brick and steel. $300,000. I. A. Allen, Jr., Inc., 904 Main St., Hartford, archt. W. E. Boring, 52 Vanderbilt Ave., New York, associated archt. Noted Dec. 22.

N. Y., Brooklyn—School—May 15, by President Bd. Educ., 500 Park Ave., New York, P. S. 135, 5 story, brick, steel and stone, plain foundation, Linden Ave., here. $850,000. C. B. J. Snyder, Municipal Bldg., New York, archt. and engr. Noted Feb. 23.

N. Y., Cortland—Courthouse—May 25, by Bd. Supervs. Cortland Co., 3 story, 40 x 100 ft. and 100 x 100 ft. courthouse, jail and sheriff's home, rein.-con., brick and steel, brick foundation. $400,000. J. R. Gordon, 507 5th Ave., New York, archt. and engr. Noted April 6.

N. Y., Fulton—Schools—May 15, by Bd. Educ., for new high school; addition to Phillips St. School; Walradt St. School. $700,000. W. Potter, 22 East 17th St., New York, archt. and engr. Noted Jan. 12.

N. Y., Ithaca—Insectary—May 25, by C. D. Bostwick, comptroller, Cornell University, insectary building at New York State College of Agriculture, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., Jamaica—Golf Club—May 18, by Fresh Meadow Country Club, several 2 story buildings, Black Stump. $200,000. Ballinger Co., 47 West 34th St., New York, archts. and engrs.

N. Y., Mamaroneck—Fire House—May 18, by Bd. Village Trustees, Police Headquarters, East Boston Post Rd., fire house, Barry Ave. Former bids rejected. A. P. Bedelle, 34 Highview St., archt.; adv. this issue. Noted April 20.

N. Y., New York—Apartment—W. F. Flynn, c/o F. W. Rinn, archt. and engr., 70 West 181st St., 5 story, brick, steel and stone, plain foundation, Davidson Ave. $150,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Court House—June 2, by Bd. Estimate and Apportionment, Municipal Bldg., superstructure of court house within area bounded by Centre, Worth, Baxter and Pearl Sts. G. Lowell, 21 East 40th St., archt.

Pa., Phila.—Store and Office—Beidler & Rink, 2810 Germantown Ave., receiving bids 2 story, 55 x 150 ft., brick and steel, plain foundation, Broad St. and Erie Ave. $180,000. W. F. Smith, 1345 Arch St., archt.

N. J., Elizabeth—Hall of Records—Pres. Bd. Freeholders Union Co., brick, steel and stone, plain foundation, Rahway Ave. $900,000. Work will be done by separate contracts under supervision of Oakley & Son, archts., 1259 Clinton Pl. Noted April 6.

Pa., Conemaugh—Church—J. Gill, pastor Sacred Heart Church, receiving bids and opens same about June 1, 1 story, 69 x 120 ft. granite, plain foundation, Oak and 3rd Sts. $150,000. J. A. Reed, 314 3rd St., archt.

Pa., Erie—Office—Hayes Estate receiving bids, 6 story, 50 x 165 ft. brick and steel, East 10th St. Architect not announced. Noted April 13.

Pa., Glen Nor (Norwood Station P. O.)—High School—May 16, by C. W. Brazer, archt., Crozier Bldg., Chester, 16 room, brick and steel, plain foundation, for School Bd., c/o F. Roberts, Norwood Sta. $250,000. Noted March 30.

Pa., Phila.—Apartment—C. A. Mahan, 5530 North 5th St., receiving bids 3 story, 39 x 105 ft., steel and brick, plain foundation, 10th and Olney Ave. $200,000. E. A. Wilson, 1208 Chestnut St., archt.

Pa., Phila.—Church—May 15, by G. E. Savage, archt., Witherspoon Bldg., 2½ story, 55 x 67 ft., stone, plain foundation, 5th and Fisher Aves., for Lindsey Methodist Episcopal Church. $150,000.

Pa., Phila.—Sales, etc.—L. B. Rothchild, archt., 1225 Sansom St., receiving bids 5 story, 55 x 160 ft. rein.-con., brick and stone sales and service building, plain foundation, 1409 North Broad St., for J. J. Greenberg, Morris Bldg. $200,000. Noted May 4.

N. C., Elizabeth City—Schools—May 25, by Bd. Trustees, constructing high school, brick, grade school, brick, and temporary school, frame. To exceed $150,000. Milburn & Heister Co., Union Savings Bank Bldg., Wash., D. C., archts.

Tenn., Memphis—Auditorium and Market House—June 1, by City and Shelby Co., c/o J. T. Walsh, chn., 2 story, 1,000 x 1,000 ft., concrete and steel, Main and Poplar Sts. $1,500,000. C. O. Pfiel and G. Awsumb, Union Planters Bank Bldg., archts. W. F. Shulz, 200 Chamber of Commerce Bldg., engr. Foundations completed. Noted Jan. 12.

O., Clayton—School—June 5, by W. H. Zizeet, clk. Bd. Educ., R.R. 3, Brooksville, 2 story, rein.-con. and brick, plain foundation, here, for Bd. Educ. Clayton Consolidated School Dist. $150,000. W. M. McCluer, 401 Canby Bldg., Dayton, archt.

O., Cleveland—Apartment—May 25, by R. H. Hinsdale, archt., Bangor Bldg., 6 story, 150 x 180 ft., brick, steel and concrete, plain foundation, East 105th St. and Park Lane, for Park Lane Realty Co., c/o architect. $1,500,000.

O., Cleveland—Commercial and Market—Pearl-State Market Co., c/o A. E. Keller, archt., 1298 Carlyon Rd., taking bids 2 story, 200 x 200 ft., brick, steel and concrete, plain foundation, Pearl and State Rds. $250,000. Noted March 30.

O., Cleveland—School—May 25, by Our Lady of Peace Church, 12101 Woodland Ave., 2 story, 66 x 188 ft., brick, steel and concrete, East 126th St. and Shaker Blvd. $150,000. J. F. Cummins, pastor. E. T. P. Graham, 171 Newbury St., Boston, Mass., archt.

O., Columbus—Cottages—May 29, by State Dept. Pub. Welware, 9th and Oak Sts., two 2 story, 80 x 140 ft., brick and concrete cottages at Institution for Feeble Minded, West Broad St. $250,000. C. A. Harst, Ohio-Hartman Bldg., archt. Noted May 4.

O., East Cleveland (Cleveland P. O.)—School—May 15, by Bd. Educ., 2 story, 65 x 200 ft. and 75 x 80 ft. school and power house, brick, steel and concrete, Caledonia Ave. $150,000. Cavanaugh & Baer, 2721 Prospect Ave., Cleveland, archts. Noted March 9.

O., Trotwood—School—June 3, by H. Jenkins, clk. Bd. Educ. Madison Twp. Consolidated Rural School Dist., 2 story, rein.-con. and brick, plain foundation. $150,000. Herman & Brown, 1129 Reibold Bldg., Dayton, archts.

Mich., Imlay City—School—May 22, by W. Muir, 2 story, 120 x 150 ft. concrete, brick and steel, plain foundation. $150,000. W. S. Holmes Co., Tussing Bldg., Lansing, archt. Noted April 13.

Mich., Springwells—School—May 17, by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., Detroit, 2 story, rein.-con., brick and steel, plain foundation, for School Dist. 2. $150,000. Noted March 9.

Ill., Chicago—Apartment—Ohrenstein & Hild, archts., 232 East Erie St., receiving bids 3 story, 100 x 197 ft., rein.-con., brick and steel, Hyde Park. $150,000. Owner's name withheld.

Ill., Chicago—Apartment and Store—T. A. Collins, 133 West Washington St., receiving bids 4 story, 60 x 150 ft. rein.-con., brick and steel, 5704-06 Harper Ave. $150,000. Newhouse & Bernham, 4630 Prairie Ave., archts.

Ill., Chicago—Bank and Office—D. S. Krafter, archt., 64 West Randolph St., receiving bids 3 story, 100 x 100 ft., rein.-con., brick and steel, Sheridan Rd. and Argyle St. $175,000. Owner's name withheld. Noted April 6.

Ill., Chicago—Lowe & Bollenbacker, archts., 108 South La Salle St., receiving bids 4 story, 125 x 140 ft., rein.-con., brick and steel, 53rd St. and Dorchester Ave., for Y. M. C. A., c/o architects. $350,000. Noted March 30.

Ill., Kankakee—Store—A. S. Ahlschuler, archt., 28 East Jackson Blvd., receiving bids remodeling and building 2 story, 20 x 125 ft. rein.-con., brick and steel addition, for Block & Co., 152 South East Ave. $150,000.

Wis., Mazomanie—High School—May 25, by Balch & Lippert, archts., Gay Bldg., Madison, 2 story, 69 x 105 ft., brick, rein.-con. and steel, plain foundation, for Bd. Educ. $150,000. Noted April 13.

Ia., Mason City—Schools—June 3, by Bd. Educ., two 2 story, 62 x 107 ft. rein.-con., brick, tile and stone, $150,000. Former bids rejected. F. T. Vasey, supt. Croft & Boerner, 1006 Marquette Ave., Minneapoli. Minn., archts. Noted April 20.

Minn., Minneapolis—Bank—May 20 by Federal Reserve Bank of 9th Dist., 5th St. and 2nd Ave., 4 story, 158 x 160 ft., limestone or granite, 71-75 5th St. S. $1,500,000. C. Aus, 244 Madison Ave., New York, archt. C. Gilbert, 244 Madison Ave., New York, engr. Noted April 6.

Minn., Minneapolis—Library—June 8, by State Bd. of Control, State House, St. Paul, 6 story, 400 x 400 ft., rein.-con., brick, tile and stone, State University Campus, here. $1,250,000. D. F. Mullen, secy. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt.

Neb., Lincoln—Capitol—June 8, by State Capitol Comn. at Governor's Office, State Capitol Bldg., constructing superstructure of first section of capitol. S. R. McKelvie, chn.; adv. this issue. Noted Feb. 9.

N. D., Grand Forks—Law—May 23, by State Bd. of Administration, Bismark, 3 story, rein.-con., brick, stone and tile, on campus, here. $150,000. Keith & Kurke, Equity Bldg., Fargo, archts. Noted Feb. 9.

Okla., Tulsa—Temple—Rapp & Rapp, archts., 190 North State St., Chicago, receiving bids 4 story, 140 x 200 ft., for Akdar Temple, c/o architects, $700,000.

Cal., San Francisco—School—May 17, by Bd. Pub. Wks., school on Jackson St. near Fillmore St. $300,000. J. Reid, Jr., First Natl. Bank Bldg., city archt. Noted Feb. 16.

Que., Montreal—Hospital—May 15, at office A. H. Laplerre, archt., 30 St. James St., 7 story, for Notre Dame Hospital, Notre Dame St. E., $500,000.

BIDS RECEIVED

Conn., New Britain—School—A. B. Meredith, secy. State Bd. Educ., State House, Hartford, opened bids May 3, 1 and 2 story, brick and rein.-con. main structure, also 1 story boiler house, Camp St., here, from G. D. Kempe Constr. Co., West Hoboken, N. J., $502,000; C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston, $538,700; A. E. Stephens Co., 318 Main St., Springfield, Mass., $559,000. Noted April 20.

Conn., New Haven—High School—Westville School Dist. opened bids April 21, 2 story, brick and steel, plain foundation, Fountain and Emerson Sts., from Larkin-Carey Co., 166 Brewery St., $174,742; Standard Constr. Co., 153 Court St., $179,887; Eastern Eng. & Constr. Co., 945 Main St., Bridgeport, $181,000. Noted March 23.

N. Y., Brooklyn—Court House—E. Riegelmann, boro pres., Boro Hall, opened bids May 3, court house, Snyder and Fatbush Aves., from W. L. and G. H. O'Shea, 29 Bway., New York, $147,900; J. Waters Co., 271 West 125th St., New York, $148,996; Nugent Constr. Co., 21 East 40th St., New York, $149,773. Noted April 27.

N. Y., Brooklyn—Hospital—State Hospital Comn., Albany, opened bids May 3, 4 story, 67 x 192 ft. administration and staff building, rein.-con. and brick, at state hospital, here, general contract from W. W. Constr. Co., 51 East 42nd St., New York, Proposal 1 $298,000, Proposal 2 $291,000, Putnam Constr. Co., 303 5th Ave., New York, Proposal 1 $314,000, Proposal 2 $307,300, Vought Constr. Co., 131 East 44th St., New York, Proposal 1 $319,500, Proposal 2 $313,000; heating work, from Chute, Thornton & Bayley Corp., 153 East 42nd St., New York, $26,998, Austin Eng. Co., 121 West 42nd St., New York, $27,872, E. W. Tompkins & Co., Albany, $26,940, T. E. O'Brien, 6303 5th Ave., New York, $28,796. J. A. Graf, 104 Putnam Ave., $32,438. Noted April 13.

O., Columbus—High School—Bd. Educ., High and Town Sts., opened bids April 28, general contract for Washington Gladden School, 2 story, 200 x 375 ft., brick, stone and concrete, along Scioto River, from C. Schutrump & Son, Youngstown, $858,628; D. W. McGrath & Sons Co., New First

Buildings (Continued)

Natl. Bank Bldg., $877,883; Southerland Building & Constr. Co., St. Louis, Mo., $920,211.

O., Euclid—Schools—Bd. Educ. 1550 Chardon Rd., opened bids April 27, (1) Euclid High School, (2) Roosevelt School, (3) Shore High School, from C. Peterson Co., 4500 Euclid Ave., Cleveland, (1) $54,419, (2) $41,917; Boldt Constr. Co., 5902 Euclid Ave., Cleveland, (1) $54,850, (2) $42,300; W. Dunbar Co., 8201 Cedar Ave., Cleveland, (1) $54,950; C. A. Carson Co., 7014 Euclid Ave., Cleveland, (2) $43,139, (3) $65,739; Alexander Bros., Williamson Bldg., Cleveland, (3) $62,683; Schirmer-O'Hara Co., 2031 Euclid Ave., Cleveland, (3) $67,165. Noted April 13.

Ia., Des Moines—Office—Central Life Assurance Co., c/o G. B. Peak, pres., United Bank Bldg., 10 story, 130 x 188 ft., rein.-con., brick, tile and stone, 5th St. and Grand Ave., from W. F. Kucharo Co., 622 Hubbell Bldg., $388,426; T. A. Benson Constr Co., 422 Y. N. B. Bldg., $407,000; Fleisher Constr. Co., 606 Builders Exch. Bldg., Minneapolis, Minn., $409,000. Noted April 20.

Ia., Gowrie—School—Bd. Educ., 2 story, 67 x 119 ft. rein.-con., brick, tile and stone, from C. W. Getchell, 851 Penn Ave., Des Moines, $89,128; E. Marxer Co., 514 3rd St., Des Moines, $93,200; Western Constr. Co., 811 Flynn Bldg., Des Moines, $94,500. Noted April 13.

Col., Grand Junction—Court House—Mesa Co., 3 story, 52 x 140 ft., from J. E. Young, 1267 South Race St., Denver, $207,000; M. J. Kenney, Delta, $219,590; C. S. Lambie Constr. Co., Tramway Bldg., Denver Bldg., Denver, $222,000.

CONTRACTS AWARDED

Mass., Worcester—Office—Masonic Protective Assn., 18 Franklin St., 3 story, 78 x 120 ft. rein.-con., brick and tile, plain foundation, Chestnut St., to Central Bldg. Co., 58 Front St., $200,000.

R. I., Providence—See "Industrial Works."

Conn., New Britain—School—Bd. Educ. 3 story, brick and steel, plain foundation, Washington St., to Torrington Bldg. Co., 197 Water St., Torrington. $233,524. Noted April 13.

Conn., Wallingford—Theatre—G. H. Wilkinson, 12 North Main St., 1 story, 66 x 147 ft. brick, tile and concrete, plain foundation, Centre St., to C. F. Wooding Co., Wallace Ave., $150,000. Noted March 23.

N. Y., Brooklyn—Apartment—A. Kaplan, c/o Cohn Bros., archts. and engrs., 363 Stone Ave., will build 4 story, brick, steel and stone, plain foundation, Schenectady Ave. and Union St., by day labor. $150,000.

N. Y., Brooklyn—School—Church of Sacred Heart of Jesus and Mary, 4 story, 72 x 121 ft., brick, steel and stone, plain foundation. Hicks St. near De Graw St., to Burke Bros. Constr. Co., 1476 Bway., New York. Noted March 16.

N. Y., Hamilton—Dormitory—Building Com. Bd. Trustees Colgate University, 4 story, 56 x 173 ft., brick and stone, to E. K. Fenno Constr. Co., 204 North Beech St., Syracuse, $195,000.

N. Y., Malone—School—Bd. Educ., brick, steel and stone, plain foundation, to Duffin & House, Malone. Noted March 30.

N. Y., New York—Apartment—Dayfield Realty Corp., 6 story, 100 x 200 ft., brick, steel and stone, plain foundation, 97th St. and 5th Ave., to F. F. French Co., 299 Madison Ave., $1,000,000.

N. Y., New York—Apartment—Forty Six West 95th St. Corp., c/o Carrere & Hastings, archts. and engrs., 52 Vanderbilt Ave., brick, steel and stone, plain foundation, West 95th St., to W. J. Taylor Co., 7 East 42nd St., $250,000.

N. Y., New York—Apartment—Garman Bros., c/o Sommerfield & Steckler, archts. and engrs., 31 Union Sq., 6 story, brick, steel and stone, plain foundation, East 181st St., by day labor. $200,000.

N. Y., New York—Apartment—Paterno & Son, 601 West 115th St., will build 15 story, brick, steel and stone, plain foundation, West 88th St., by day labor. $1,500,000. Private plans.

N. Y., New York—Apartment—Riverside Dr. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 14 story, brick, steel and stone, plain foundation, Riverside Dr. and 102nd St., by day labor. $1,000,000.

N. Y., New York—Apartment—J. E. Waton, Inc., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., 9 story, 50 x 100 ft., brick, steel and stone, plain foundation, East 63rd St., by day labor. $450,000.

N. Y., New York—Hotel—Realty Sureties, Inc., c/o Carrere & Hastings, archts., 52 Vanderbilt Ave., 17 story, brick, steel and stone, plain foundation, Bway. and 104th St., to Longacre Eng. & Constr. Co., 562 5th Ave., $1,500,000.

N. Y., New York—Library, etc.—Teachers College, Bway. and 120th St., 70 x 195 ft. brick and stone library, and brick and concrete power house, plain foundations, 120th St., to Hegeman-Harris, 95 Madison Ave., $1,500,000.

N. Y., New York—Salesroom—I. Judis, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., 1 story, brick, steel and stone, plain foundation, West 125th St., by day labor. $150,000.

N. Y., New York—Stores—J. L. S. Constr. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., 1 story, brick, steel and stone, plain foundation, Burnside Ave., by day labor. $150,000.

N. Y., Rochester—Apartment—Wadsworth Apartment House Co., 4 story, tapestry brick and stone, South Plymouth Ave., to E. Strauchen Co., Rochester, $150,000.

Pa., Bedford—Hotel—Hotel Pennsylvania Co., 5 story, 87 x 125 ft. brick, steel and concrete, to Van Blarcom Co., Plymouth Bldg., Cleveland, O. $200,000.

Pa., Phila.—Morris & Erkstine, archts., 1716 Cherry St., 3 story, 73 x 126 ft. brick, steel and stone, plain foundation, 16th and Catherine Sts., to R. E. Lamb Co., 843 North 19th St., for Y. M. C. A., 16th and Catherine Sts. Noted April 13.

Pa., Williamsport—Bank—Susquehanna Trust & Deposit Co., 114 West 4th St., 1 story, 42 x 114 ft., limestone, marble and stone, West 4th St., to Simons, Brittain & English, 336 4th Ave., Pittsburgh. Noted April 6.

N. C., Fayetteville—Schools—Bd. Educ., general contract 3 schools, to Brown-Harry Co., Gastonia, $144,000. Noted April 20.

N. C., Rockingham—Court House—Bd. Comrs. Richmond Co., constructing brick and limestone, to J. P. Little & Son, Realty Bldg., Charlotte, $177,450. Noted April 20.

La., New Orleans—Bank—Federal Reserve Bank, Camp St., 4 story, granite, Carondelet and Common Sts., to G. J. Glover, Whitney Bldg., $800,000. Noted April 6.

O., Cleveland—Commercial and Apartment—H. Bialosky, 10406 Euclid Ave., 4 story, 60 x 100 ft., brick, metal, lumber and concrete, plain foundation, East 105th St. and Euclid Ave., to Rice-Jones, 1836 Euclid Ave., $150,000. Noted April 13.

O., Cleveland—Hotel—Fenwick Hall, c/o G. B. Post, archt. and engr., 101 Park Ave., New York, brick, steel and stone, plain foundation, here, to J. Gill & Son, Citizens Bldg., $3,000,000.

O., Columbus—Apartment—B. Reinmund, Jr., pres. Valerie Manor Co., will build apartment house, Parwood Ave. and Broad St., by day labor.

O., Columbus—High School—Bd. Educ., High and Town Sts., general contract Washington Gladden School, 2 story, brick, concrete and stone, along Scioto River, to D. W. McGrath & Sons, New 1st Natl. Bank Bldg., $812,183; heating and ventilating work, to Sodemann Heating & Power Co., 2306 Morgan St., St. Louis, Mo., $160,767; plumbing, to Fitzpatrick & Hoepfner, 63 East Gay St., $41,600; electrical work, to Sanborn Electric Co., 309 North Illinois St., Indianapolis, Ind., $29,800. Noted April 20.

O., Toledo — Bank and Office — Commercial Bank & Trust Co., 5 story, 60 x 150 ft., rein.-con., concrete pile foundation, Superior and Madison Sts., to A. Bentley & Sons Co., 201-31 Belmont Ave., $175,000.

Ind., Indianapolis—Apartment—Northern Realty Co., c/o George & MacLucas, archts., Lemcke Annex, 3 story, 60 x 170 ft., brick, stone and terra cotta, North Pennsylvania St., to Midwest Constr. Co., c/o architects. $350,000. Noted Feb. 9.

Mich., Ann Arbor—College—University of Michigan, 3 story, rein.-con., brick, steel and cut stone addition, University Ave., to J. Bollin Co., 2,032 First Natl. Bank Bldg., Detroit. Noted March 9.

Mich., Grosse Pointe (Detroit P. O.)—Club House—Grosse Pointe Country Club, 2 story, 40 x 280 ft. rein.-con., brick and steel, plain foundation, to J. Bollin Co., 2032 First Natl. Bank Bldg., Detroit, $250,000. Noted March 16.

Ill., Chicago — Apartment — Ludgin & Leviton, archts., 53 West Jackson Blvd., 3 story, 126 x 144 ft., rein.-con., brick and steel, Spaulding and Schubert Aves., to Anderson & Winblad, 6235 South Michigan Ave., for W. Leibovitz, c/o architects. $175,000. Noted March 23.

Ill., Chicago — Apartment — Zimmerer Bros., 17 East Van Buren St., 3 story, 100 x 137 ft., rein.-con., brick and steel, Aldine Ave. near Bway., to J. Anderson & Son, 5723 Winthrop Ave., $200,000. Noted March 16.

Ill., Chicago—Church—Hemenway Methodist Episcopal Church, Hinman and Church Sts., 1 story, 43 x 106 ft., rein.-con., brick and steel, 933 Chicako Ave., general contract to A. J. Samuelson, 189 West Madison St., Chicago; masonry to J. Wigginton, 1118 Oak Ave., Evanston. This corrects report in March 30 issue.

Ill., Chicago—High School—Bd. Educ., 4 story, 280 x 340 ft. rein.-con., brick and steel addition to Crane School, Jackson, Oakley and Irving St., to A. and E. Anderson, 19 South La Salle St. $3,000,000.

Wis., Milwaukee—School—Cross Lutheran Congregation, 1630 Brown St., 2 story, 70 x 100 ft., brick, tile and concrete, plain foundation, Vine and 16th Sts., to H. Schmitt & Sons, 430 Farwell Ave., $150,000.

Wis., Oconomowoc—High School—Bd. Educ. 2 story, brick, concrete and tile, plain foundation, to H. J. Selmer Co., McCartney Natl. Bank Bldg., Green Bay, $122,845. Noted April 6.

Wis., Oregon—High School—Bd. Educ., c/o F. Kramer, clk., general contract 2 story, 80 x 114 ft., brick, rein.-con. and steel, plain foundation, to Hayes & Langdon, Hayes Blk., Janesville, $150,000.

Wis., Stevens Point—Church—St. Stephans Catholic Congregation, 1 and 2 story, local stone, plain foundation, to Immel Constr. Co., 200 North Main St., Fond du Lac. Noted April 13.

Wis., Wauwatosa—School—Holy Cross Catholic Congregation, R. 13, 2 story, 96 x 115 ft., brick, tile and concrete, plain foundation, Blue Mound Rd., near here, to E. Steigerwald & Sons, 2303 Galena St., Milwaukee, $150,000.

Minn., Minneapolis—Apartment—E. F. Lundberg, 238 Security Bldg., 3 story, 93 x 117 ft., 1413-1419 1st Ave. S., to Madsen & Peterson, 646 Builders Exch. Bldg. $150,000. Noted Dec. 8.

Minn., Minneapolis—School—Bd. Educ., 2 story, 157 x 210 ft., rein.-con., brick, tile and stone, 38th St. and Harriet Ave., to Kvitrud & Madsen Co., 646 Builders Exch. Bldg., $103,900.

Kan., Kansas City—Memorial Hospital—State Hospital Comn., Topeka, general contract 4 story, 46 x 160 ft., brick, stone and rein.-con., here, to Pratt & Thompson, Republic Bldg., Kansas City, Mo., $283,482; plumbing and heating, to M. D. Woodling, Reliance Bldg., Kansas City, Mo., $38,220.

Kan., Newton—Office—Atchison, Topeka & Sante Fe R.R. will build 3 story, rein.-con., plain foundation, by day labor. $225,000. H. W. Wagner, 1417 Topeka St., Topeka, engr. E. A. Harrison, Ry. Exch., Chicago, archt.

Cal., Long Beach—High School—Bd. Educ., 1 and 2 story, Orange Ave. near 5th St., to J. C. Bannister, 903 North Mariposa St., Los Angeles, $178,830. Noted May 4.

Cal., Manteca—Schools—Manteca Union High School Dist., three 1 story, rein.-con. and brick buildings, general contract to Brown & Stafford, Madera, $125,295; mechanical equipment to Latourette-Fical Co., 2761 Sacramento Blvd., Sacramento, $34,075. Noted May 4.

Cal., Oakland — Office — R. Dunn, Piedmont, 8 story, rein.-con., 19th and Franklin Sts., here, to P. A. Palmer, Monodnock Bldg., San Francisco, $400,000.

Cal., San Francisco—Apartment—California & Gough Building Corp., c/o C. A. Meussdorffer, archt., Humboldt Bank Bldg., 9 story, rein.-con., Northeast California and Gough Sts., to Macdonald & Kahn, 130 Montgomery St., $175,000. Noted April 27.

Que., Montreal—Convents—Sisters of the Holy Name of Jesus, Hochelaga Convent, Notre Dame St., 4 story, 55 x 131 ft. on Mt. Royal and Cartier Sts., also 4 story, 33 x 114 ft., Notre Dame and Joliette Sts., both brick, steel and stone, to U. Boileau Ltd., 568 Garnier St., $172,000 and $62,000 respectively.

FEDERAL POWER COMMISSION

Application for Licenses and Permits
Applications

293—Pacific Power & Light Co., Gasco Bldg., Portland, Ore.—Wants preliminary permit to develop 600 ft. of fall and covering 70 mi. in Snake River from Grande Ronde River to point 20 mi. below Homestead, Ore. Project includes 10 concrete dams in Idaho, Oregon and Washington.

294—G. M. Thomas, Marianna, Fla.—Wants preliminary permit for dam and power house in Chipola River, 11 mi. below Marianna, in Jackson Co.

295—Black Mountain Telephone Corp., Black Mountain, N. C.—Wants license for transmission line across Boone National Forest.

296—Mineral County Light and Power Lines, c/o Chairman Comrs., Mineral Co., Hawthorne, Nev.—Wants license for 52 mi. transmission line from Hawthorne to Luning, Mina and Simon, Mineral Co.

297—Willow Creek Mines, c/o M. D. Leehey, 620 Alaska Bldg., Seattle, Wash.—Wants preliminary permit for diversion dam and pipe line to power house on Craigie Creek, Knik Recording Dist., Alaska.

298—Southern California Edison Co., Edison Bldg., Los Angeles, Cal.—Wants license to develop power on Kaweah River, near Sequoia National Park, Tulare Co.

299—Smith-Sanders Power Co., Rogersville, Tenn.—Wants preliminary permit for power house and 20 ft. masonry dam in Holston River, Hawkins Co.

300—Thebo, Starr & Anderton, Inc., San Francisco, Cal.—Wants preliminary permit to develop power on McCloud and Pit Rivers, Shasta Co.

301—C. N. Stannard, c/o Denver Gas and Electric Light Co., 15th and Champa Sts., Denver, Col.—Wants preliminary permit to develop power in Grand River, near Kremling, Grand Co. Project includes reservoir 1,030,000 acre feet capacity, tunnel to power house 57,000 hp.

302—White Rapids Paper Co., Oshkosh, Wis.—Wants preliminary permit for dam and power house in Menominee River, at point in Marinette and Menominee Counties, 15 mi. north of Kells, Mich.

303—B. H. Hardaway, 1508 3rd Ave., Columbus, Ga.—Wants preliminary permit for dam and power house in Chipola River, Calhoun Co., 20 mi. below Marianna, Fla.

Federal Government Work

PROPOSED WORK

California—Roads—Bureau Pub. Rds., 881 Mills Bldg., San Francisco, preparing plans and takes bids in June or July, grading 10.25 mi. Big Bear Valley Rd. between Deep Creek and Big Bear Lake Dam, San Bernardino Co., $168,000; will probably take bids in August, 12 mi. Cuyama Highway from west to east line of Santa Barbara National Forest, Santa Barbara Co. $,200,000; will probably take bids in October, 10 mi. Crescent City-Grants Pass Highway, south from Oregon Line, Del Norte Co., $200,000, 13 mi. Redding-Alturas State Highway lateral from Adin to Adin Summit, Modoc Co., $200,000, 11 mi. from 8 mi. east of Paynes Creek to Mineral on Red Bluff-Susanville State Highway lateral, Tehama Co., $200,000. C. H. Sweetser, dist. engr.

BIDS DESIRED

Ga., Dawson—Post Office—May 31, by Treas. Dept., Wash., D. C., U. S. Post Office, complete, incl. mechanical equipment, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Miss., Gulfport—Hospital—May 18, by Treas. Dept., Wash., D. C., construction U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting supervs. archt.

BIDS RECEIVED

D. C., Bellevue—Roads etc.—Spec. 4585—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks, at Naval Experimental and Research Laboratory, here, (1) work complete, from Corson & Gruman, 33rd and K St., N. W., Wash., (2) $17,883 (90 days); J. E. Ballinger, 941 H St., N. W., Wash., (1) $21,744 (90 days) (2) $19,844 (90 days); King Lumber Co., Charlottesville, Va., (1) $22,980 (90 days) (2) $22,300 (90 days) (3) $680 (60 days). Noted April 13.

Va., Norfolk—Dredging—Spec. 4604—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, here, from F. E. Jones Dredging Co., Maine and Atlantic Sts., $0.29 per cu.yd.; Norfolk Dredging Co., 303 Water St., $0.47 per cu.yd. (60 days). Noted April 20.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer, Providence, dredging in Connecticut River, below Hartford, Conn., to J. S. Packard Dredging Co., 1054 Turks Head Bldg., $12,250. Noted March 23.

Pa., Pittsburgh—Barges—U. S. Engineer, 3 steel deck barges, to Dravo Contg. Co., Diamond Bank Bldg., $33,600. Noted March 23.

D. C., Wash.—Oil Storage Plants, etc.—Spec. 4607—Bureau Yards & Docks, Navy Dept., Wash., D. C., oil storage plant and steel water tank, etc., at Coco Solo, and oil tank, etc., at Balboa to Pittsburgh-Des Moines Steel Co., 806 Curry Bldg., Pittsburgh, Pa., $107,890 (180 days). Noted May 4.

Tenn., Nashville—Steel Hull—U. S. Engineer, steel hull for bucket dredge "Tishomingo," to Nashville Bridge Co., foot of Shelby Ave., $23,435. Noted March 16.

Cal., Mare Island—Remodeling Quarters—Spec. 4593—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling Quarters M-1, Navy Yard, here, to Fletcher & Warren, 216 Georgie St., Valleja, $13,399. Noted April 13.

Cal., Palo Alto—Hospital—Treas. Dept., Wash., D. C., construction U. S. Veterans Hospital, here, to Mahoney Bros., San Francisco, $844,500; mechanical equipment for above to Turner Co., 272 Natoma St., San Francisco, $286,000. Noted April 20.

Cal., San Diego—Lighting System—Spec. 4614—Bureau Yards & Docks, Navy Dept., Wash., D. C., street lighting system at Naval Base, here, to Rice-Mosso Electric Co., 1963 Santee St., Los Angeles, $4,567 (60 days). Noted May 4.

Miscellaneous

PROPOSED WORK

Street Sweeper—Batavia, N. Y.—City plans to purchase motor driven street sweeper. $6,000-$7,000. I. J. Carmichael, clk.

Subway—Brooklyn, N. Y.—Bd. Estimate did not approve contract awarded by Transit Comn., 49 Lafayette St., New York, for constructing Sect. 6-A, Route 8, part of 14th St. Eastern Rapid Transit R. R., here. Bids were returned. Noted April 27.

Asphalt Plant, etc.—Buffalo, N. Y.—W. Dollar, engr., Dun Bldg., recommended by local engineering society, to prepare plans and specifications for municipal asphalt plant, sandsucker and dredge.

Roach Improvements—Buffalo, N. Y.—Buffalo Beach Amusement Corp., will improve beach, incl. construction of dance hall, parking space, bath house addition, removing head rocks along beach, etc. $50,000.

Memorial—Lancaster, N. Y.—Plans war memorial in Washington Field. $40,000. W. J. O'Conner, member building com.

Pier, etc.—Cape May, N. J.—W. C. Hunt, 1220 Vine St., Phila., soon takes bids timber pile pier and timber theatre, here. $60,000. A. J. Sauer, Dencla Bldg., Phila., engr.

Electric Light and Power System—Warren, Pa.—Warren Light & Power Co. plans electric lighting system from here to Youngsville. $75,000.

Fill—Mercer, Pa.—Mercer Co. plan filling in Fruit Ave. $50,000.

Transmission Line—Ronceverte, W. Va.—See "Industrial Works."

Hydro-Electric Equipment—Greensboro, N. C.—See "Waterworks."

Seawall—Tampa, Fla.—See "Streets and Roads."

Fill—Ft. Lauderdale, Fla.—See "Bridges."

Improving Water Front—Lakewood (Cleveland, O.)—A. O. Guild, dir. of Finance, will sell $45,000 bonds May 15, for improving Lake Erie water front.

Elimination of Grade Crossings—Cleveland, O.—City and New York, Chicago & St. Louis R.R., plan to eliminate grade crossings from Quincy Ave. to East 55th St. and West 110th to West 117th Sts. $3,880,000. R. Hoffman, City Hall, engr.

Elimination of Grade Crossings—Cleveland, O.—City and Pennsylvania R.R., Broad St. Sta., Phila., plan to eliminate grade crossings along Pennsylvania R.R. Co. lines at Central to Holton Aves. and East 26th to East 33rd Sts. $4,080,000. R. Hoffman, City Hall, engr.

Grain Elevator—Lawrenceburg, Ind.—Lawrenceburg Rolls & Grain Elevator Co. plans 5 story, brick, New St. $150,000. Architect not selected.

Lighting System—St. Paul, Minn.—Dept. Pub. Utilities, c/o H. C. Streich, 25 East 5th St., had plans prepared installing ornamental street lighting system in 30 streets, Crocus Hill Dist., 1,042 posts, single lights. $111,344. O. Claussen, city engr.

Lighting System—Paris, Mo.—See "Industrial Works."

Auto Stage Depot—San Jose, Cal.—A. Hart, J. Beatty, et. al., c/o Wolfe & Higgins, archts., Auzerais Bldg., having plans prepared 2 story, rein.-con. auto stage depot, Market St. near Post St. $40,000.

Electric Light and Power System—Tavistock, Ont.—East Zorra Twp. plans electric light and power distribution system. $27,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Swimming Pools—London, Ont.—See "Buildings."

BIDS DESIRED

Repairing Dike, etc.—Revere, Mass.—May 22, at office P. F. Conley, purch. agt., City Hall, repairing earthen dike and filling in marsh land, at Charles Frederick Park, here; adv. this issue.

Taintor Gate, etc.—Baldwinsville, N. Y.—June 6, by C. L. Cadle, supt. Pub. Wks., Albany, constructing taintor gate and Barge Canal Terminals, Contr. 208; adv. this issue.

Asphalt Wearing Surface Sand—New York, N. Y.—May 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 10,000 cu.yd. asphalt wearing surface sand, Grade B.

Road Oil—Troy, N. Y.—Bd. Contract & Supply, taking bids 100,000 gal. road oil. A. E. Roche, city engr.

Steam Rollers—Watertown, N. Y.—Smith Bros. Constr. Co., Cleveland Bldg., taking bids two 10 ton steam rollers.

Stones—Yonkers, N. Y.—May 22, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, furnishing, cutting and delivering granite arch ring and granite coping stones, for Bronx River Parkway Dr. Bridge 15, over Bronx River Parkway Dr., Swain St., here. J. Downer, engr. and secy.; adv. this issue.

Bituminous Concrete, etc.—Trenton, N. J.—May 26, by State Hy. Comn., furnishing bituminous concrete, asphalt, crushed trap rock, limestone, dolomite or gneiss. A. W. Muir, 517 Broad St. Bank Bldg., supt. of maintenance; adv. this issue.

Ornamental Standards, etc.—Cleveland, O.—May 19, furnishing ornamental standards for white way lighting and paper insulated lead covered cable. $25,000. C. Beckwith, City Hall, engr.

Stadium—Detroit, Mich.—May 18, by A. Des Rosiers, engr., 620 McKerchey Bldg., 500 x 500 ft. rein.-con. stadium, 32,000 capacity, Livernois Ave., for University of Detroit, East Jefferson Ave. $200,000. Noted March 16.

Bulkhead—Chicago, Ill.—May 31, by South Park Comrs., 57th St. and Cottage Grove Ave., bulkhead, from opposite 11th Pl. to Randolph St., along easterly front of Grant Park. J. F. Neil, secy.; adv. this issue.

Stadium—Chicago, Ill.—May 31, by South Park Comrs., 57th St. and Cottage Grove Ave., stadium on Lake Front between Roosevelt Rd. and 16th St. J. F. Neil, secy.; adv. this issue.

Dump Wagon, etc.—South Milwaukee, Wis.—May 16, by J. Kozlowski, city clk., new dump wagon, also one dump box for motor truck.

Power Plant Equipment, etc.—Ames, Ia.—May 22, power plant equipment and steel stack. P. F. Hopkins, city mgr. of eng.; adv. this issue.

Engine and Pump—Dickinson, N. D.—May 22, oil engine 25 hp. and double stroke deep well pump, for Water Dept. R. C. Hill, city aud.

Steam Shovel and Concrete—Sandwich, Ont.—Essex Co. receiving bids for steam

Miscellaneous (Continued)

shovel and concrete in quantity. J. J. Newman, Davis Blk., Windsor, engr.

Transmission Line—St. John, N. B.—May 16, by New Brunswick Hydro-Electric Power Comn., 87.5 mi. transmission line from here to Moncton. C. O. Foss, St. John, engr.

BIDS RECEIVED

Grain Elevator—Norfolk, Va.—Opened bids April 26, grain elevator, fittings and equipment, (but not foundation), from Barnett-Record Co., Flour Exch. Bldg., Minneapolis, Minn., $631,690 (time of completion Dec. 15); A. M. Crain & Co., Chicago, $639,000 (Nov. 1); M. A. Long & Co., Munsey Bldg., Baltimore, Md., $667,700 (Sept 30); J. Stewart Co., 343 South Dearborn St., Chicago, $674,500 (Sept. 15). Noted April 6.

Foundation—Milwaukee, Wis.—See "Waterworks."

Road Oil, etc.—Milwaukee, Wis.—Opened bids April 25, (1) 60,000 gal. heavy Mexican, (2) 50,000 gal. medium bituminous, (3a) 150,000 gal. medium tar, (3b) 50,000 gal. medium tar, (4a) 250,000 gal. heavy tar, (4b) 100,000 gal. heavy tar, from Asphalt Sales Corp., 128 North Wells St., Chicago, (1) $0.0557 per gal.; Camden Petroleum Co., 208 South La Salle St., Chicago, (1) $0.0622; Duro Asphalt Products Co., 133 West Washington St., Chicago, (1) $0.0681; Barrett Co., 105 Wells St., (2) $0.105, (3a) $0.105, (3b) $0.10, (4a) $0.105, (4b) $0.10; Amer. Tar Products Co., 208 South La Salle St., Chicago, (2) $0.1248, (3a) $0.1298, (3b) $0.1048, (4a) $0.1298, (4b) $0.1048. Noted April 20.

Plumbing and Heating Systems—Lincoln, Neb.—Bd. Educ., McKinley Bldg., 15th and N Sts., (1) plumbing system, (a) using flow fixtures, (b) using Mott or Cornell fixtures, (c) using Crane fixtures, (2) heating system, (d) complete heating installation as per plan, (e) alternate using low pressure fire box boiler, from Phelps-Underwood Co., 228 South 11th St., (1a) $38,000, (1b) $35,500, (1c) $32,500, (2d) $121,750, (2e) $99,748; Newberg-Bookstrom Plumbing Co., 1338 M St., (1a) $33,156, (1b) $32,150, (1c) $29,156, (2d) $138,200, (2e) deduct $30,750; Hamilton-Geisler Co., 1421 P St., (1a) $38,618, (1b) $35,840, (1c) $32,624, (2d) $134,000, (2e) deduct $18,700. Above systems for Whittier Junior High School. Noted March 30.

CONTRACTS AWARDED

Pier, etc.—Brooklyn, N. Y.—Comr. Docks & Ferries, Pier "A" North River, New York, extending pier and constructing dumping board between 51st and 52nd Sts., here, to A. N. Spooner, Pier 11, North River, New York, $43,316. Noted May 4.

Borings—Brooklyn, N. Y.—Bd. Estimate, City Hall, New York, borings along line of proposed tunnel across narrows extending from vicinity of 66th St. and 4th Ave. here, under New York Bay to Manor Rd. and Forest Ave., Boro of Richmond, to Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, Pa., $30,955. Noted April 27.

Fair Grounds—Lockport, N. Y.—Niagara Co. Fair Assn., will improve fair grounds and construct ½ mi. race track, etc., by day labor. $150,000.

Steel Screw Ferry Boats—New York, N. Y.—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., building steel screw ferry boats, to Staten Island Shipbuilding Co., 1 Bway., $1,589,900. Noted April 27.

Pier — Phila. Pa. — G. F. Sproule, dir. Dept. Wharves, Docks & Ferries, 550 Bourse Bldg., superstructure of Girard St. Pier 3 and substructure and superstructure of Girard St. Pier 5, North Delaware River, to Triest Contg. Corp., 126 East 59th St., New York, $1,959,798. This corrects report in May 4 issue.

Back Fill—New Orleans, La.—Bd. Port Comrs., placing back fill to Industrial Canal Locks, incl. movement 160,000 cu.yd. sand, to Doullut & Williams, 816 Howard St., $104,600.

Electrical Work, etc.—Columbus, O.—E. L. McCune, clk. Bd. Educ., Town and High Sts., electrical work in Joseph Sullivan High School, 2 story, East Broad St., to Ryan Electric Co., Arcade Bldg., $24,486; heating, plumbing and ventilating work, to S. A. Esswein Co., 96 West Broad St., $117,904. Noted Feb. 9.

Road Oil—Appleton, Wis.—For 100,000 gal. road oil, to Camden Petroleum Co., 208 South La Salle St., Chicago, $0.10 per gal. delivered.

Sweeper and Truck—Green Bay, Wis.—Street sweeping machine and truck, to Elgin Sales Corp., 37 West Van Buren St., Chicago, $6,573. Noted March 16.

Cement—Racine, Wis.—Racine Co. 79,100 bbl. cement for road construction, to Universal Portland Cement Co., 210 South La Salle St., Chicago, $2.42 per bbl.

Wood Blocks—St. Paul, Minn.—For 1 car 3½ in. creosoted wood block, to Republic Creosoting Co., St. Louis Park, $2.15 per sq.yd. delivered. Noted April 20.

Crane—Aberdeen, Wash.—Port of Grays Harbor Comn., 206 East Wishkah St., one 5 ton crane, 95 ft. hammerhead crane, to Colby Steel & Engr. Co., 446 Central Bldg., Seattle, $28,000. Noted March 30.

Stone Dust, etc.—Montreal, Que.—For 3,500 ton stone dust to Deschambault Quarry, 1639 Park St., $22,600; 450 gully traps to Darling Bros., Prince St., $0.0375 per lb.

OFFICIAL PROPOSALS

Bids: May 13.

Cast Iron Water Pipe

Seaside Park, N. J.

Sealed proposals will be received by the Mayor and Council of the Borough of Seaside Park, N. J., at the Council Chamber, Fourth and West Central Avenue, on or before May 13th, 1922, at 12:30 p.m., for the furnishing and laying of Cast-Iron Water Pipe and special castings.

The proposal shall state price per foot for each size of pipe and special castings, fire hydrants and valves, and for the laying and construction of same, and also price per foot for the laying and construction only as per schedule.

Relaying 3,204 feet of 4-in. B. & S. C.I. Pipe.
Laying 16,800 feet of 4-in. B. & S. C.I. Pipe.
Laying 8,616 feet of 6-in. B. & S. C.I. Pipe.
Laying 1,032 feet of 8-in. B. & S. C.I. Pipe.
36 each of 4-in. Iron Body Bronze Mtd. Gate Valves.
26 each 4 x 4 x 4 3-Bell Tees.
2 each 4-in. L.R. Elbows.
15 each 6-in. Iron Body Bronze Mtd. Gate Valves.
3 each 6-in. L.R. Elbows.
36 each 6 x 4 x 6 3-Bell Tees.
1 each 6 x 8 x 6 3-Bell Tees.
1 each 8 x 4 x 8 Tee.
1 each 4 x 8 x 4 x 8 Cross.
10 each 4-in. Plugs.
15 each 6-in. Plugs.
1 each 8-in. Plug.
2 each 8-in. Iron Body Bronze Mtd. Gate Valves.
11 each 4-in. Fire Hydrants.

Proposals shall be in a sealed envelope, marked "Proposals for the laying of Cast-Iron Pipe."

Each bid must be accompanied by a certified check for Two Hundred Dollars ($200.00) as evidence of good faith.

Plans and specifications will be on file in the Borough Clerk's and Borough Engineer's Offices.

The right is reserved to reject any or all bids or to accept any that may be deemed to the interest of the Borough.

Dated April 26th, 1922.

AARON WILBERT,
Borough Clerk.

Bids: May 23.

Sewer Construction

Letting No. 2

Louisville, Ky.

Sealed proposals will be received by the Commissioners of Sewerage of Louisville until 12 o'clock noon, May 23, 1922, for the following sewer construction in Louisville, Ky., according to drawings and specifications now on file in the office of the Commission.

Approximate quantities are as follows:

For Speed Avenue sewer and drain.

The Drain—825 lin.ft. 51-in., 837 lin.ft. 48-in., 496 lin.ft. 45-in., 194 lin. ft. 24-in., 218 lin.ft. 21-in., 255 lin. ft. 15-in.

The Sewer—2158 lin.ft. 12-in., 667 lin.ft. 8-in.

For Forty-fourth Street and Parker Avenue Sewer: 1780 lin.ft. 45-in., 310 lin. ft. 39-in., 30 lin. ft. 36-in., 690 lin. ft., 30 in., 240 lin. ft. 18-in.

Drawings, form of proposal, contract and specifications may be obtained from the office of the Commission upon the deposit of ten dollars ($10.00) to secure the return of same in good condition before June 10, 1922.

Each proposal must be enclosed in a sealed envelope addressed to the Commissioners of Sewerage, 417 W. Main Street, Louisville, Ky., and accompanied by a certified check drawn upon a State or National Bank or a trust company established in the City of Louisville (or the City of New York) for an amount not less than seven (7) per cent of the total amount of the accompanying proposal payable to the Commissioners of Sewerage of Louisville or the bond executed as set forth in the Information for Bidders.

The Commission reserves the right to reject any or all proposals.

COMMISSIONERS OF SEWERAGE OF LOUISVILLE.

By GEORGE T. WOOD,
Chairman.

PEYTON H. HOGE, Jr.,
Sect. and Treas.

J. B. F. BREED,
Chief Engineer.

Bids: May 27.

Water Supply and Filtration

Wellsville, Ohio.

Sealed proposals for the construction of a filtration plant, storage reservoir and pipe line will be received at the office of the Director of Public Service, City Hall, Wellsville, Ohio, until twelve o'clock noon, Eastern Standard time, of the twenty-seventh day of May, 1922, and then publicly opened and read.

Bids will be taken upon the work as three separate contracts, namely:

A filtration plant of three million gallons capacity, including coagulation basins, clear water reservoir and appurtenances.

A storage reservoir, including earthen dam, about 52,000 cu.yd., spillway, spillway bridge, gate house, roadway re-locations, etc.

A pipe line (alternate cast iron and steel) about 20,000 feet in length, 2,500 feet of which is in tunnel; sizes, 16,000 feet alternate 16, 18 and 20 inch, and 4,000 feet of 16 inch.

All bids must be upon the blank forms of proposal furnished by the City, and must be accompanied by a certified check or bid bond for five (5%) per cent of the amount of the proposal. The contract bond will be for fifty (50%) per cent of the amount of the contract, which will be required for the faithful performance of the contract.

Copies of the plans, proposals and contract can be seen by prospective bidders at the office of the Director of Public Service, or may be obtained at the offices of the Engineers, Morris Knowles Incorporated, Hanna Building, Cleveland, Ohio, and Westinghouse Building, Pittsburgh, Pa., upon placing a deposit of $15.00 of which sum $10.00 will be refunded within thirty (30) days after the contract has been awarded, if the plans are returned in good condition within that time.

The City reserves the right to reject any or all bids.

T. R. SNOWDEN,
Director of Public Service.